

Pennsylvania BULLETIN
DOCUMENTS SECTION

Pennsylvania Department of Agriculture

VOL. 35

JULY-AUGUST 1952

No. 4

GENERAL BULLETIN 643

FEEDING STUFFS
REPORT

FOR THE YEAR
1951

Commonwealth of Pennsylvania
HON. JOHN S. FINE, Governor
Department of Agriculture
HON. MILES HORST, Secretary
Harrisburg

Pennsylvania Department of Agriculture
Bureau of Foods and Chemistry

MILES HORST
Secretary

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Bulletin Pennsylvania Department of Agriculture—Published bi-monthly by direction of the Secretary. Entered as second-class matter May 15, 1940 at the Post Office at Harrisburg, Pennsylvania, under the act of June 6, 1900.

Feeding Stuffs Report

1951

Introduction

THE Pennsylvania Feeding Stuffs Law, Act of May 3, 1909, as amended, provides for the inspection and analysis of feeding stuffs. Accordingly, during the year ended December 31, 1951, 662 official samples were obtained by agents of the Bureau of Foods and Chemistry throughout the Commonwealth. Of the total number of samples collected, 626 were selected for analysis.

Each and every feeding stuff sold within this Commonwealth is required to be properly labeled, giving the following information: Name and address of manufacturer or importer, net weight, guarantees for protein, fat and fiber, and a statement of composition, that is, the name of each ingredient used.

During the year 1951 there were 121 special samples of feeding stuffs submitted for analysis. The Law provides for the analysis of special samples of feeding stuffs for residents of Pennsylvania only, for a fee of \$1.00 per sample. The results of analysis of such special samples submitted are not included in this report. The total number of official and special samples analyzed during the year 1951 was 747.

The 626 official samples analyzed were registered by 205 manufacturers and represented 21 classes and 546 brands as follows:

Classes	Samples
Alfalfa Products	7
Animal Products	8
Brewers' Products	1
Corn Products	2
Distillers' Products	1
Linseed and Flax Products	1
Marine Products	1
Soybean Products	2
Wheat Products	9
Calf Feed	4
Chop Feed	5
Dairy Concentrates	28
Dairy Feed	115
Horse Feed	6
Poultry Concentrates	3
Poultry Feed	248
Scratch Feed	7
Small Animal Feed	106
Swine Concentrates	9
Swine Feed	53
Miscellaneous Feed	10
Total	626

Brands Registered

Each brand of feeding stuffs is required to be registered annually. Application should be submitted before January 1 of each year or before the feed is offered for sale. When brands of feeding stuffs are re-registered, they must be accompanied by a tonnage affidavit, duly sworn to, showing the exact number of tons of each brand sold during the last preceding year. When a tonnage affidavit is not submitted covering brands to be re-registered, then the Law provides for a registration fee of \$25.00 per brand. The annual registration fees are as follows:

0 to 150 tons, each	\$ 5.00
Over 150 tons to 300 tons, each	10.00
Over 300 tons to 500 tons, each	15.00
Over 500 tons, each	25.00

Pure Wheat Bran, Pure Wheat Middlings, Pure Wheat Mixed Feed, Pure Rye Bran, Pure Rye Middlings, Pure Rye Mixed Feed, Pure Buckwheat Bran, Pure Buckwheat Middlings, Pure Buckwheat Feed, Pure Corn Meal and Pure Corn and Oats Chop can be registered for a fee of \$5.00 each, it being unnecessary to submit a tonnage affidavit. Pure whole grains, when made into meals and unmixed, do not require registration, provided no part of the grain has been removed in the process of milling. Pure Corn Meal, made by the grinding and bolting of corn, requires registration.

For 1951 sales, 7,302 brands of feeding stuffs were registered and 1,383 licenses were issued to 1,086 manufacturers.

Conclusions

Of the 621 official samples analyzed, 102 or 16.29 per cent were deficient in protein or fat and contained fiber in excess of the tolerances provided; 24 samples or 3.83 per cent were found deficient in protein; 36 or 5.75 per cent deficient in fat; and 42 or 6.71 per cent exceeded guarantees for fiber.

Consumers of feeding stuffs purchase the products under certain guarantees and labeling, and naturally expect that ingredients which are claimed should be present. Where an ingredient is omitted or added by a manufacturer, this Bureau should be notified and arrangements made for proper labeling of sacks or attached cards.

All inquiries concerning feeding stuffs should be addressed to the Director, Bureau of Foods and Chemistry, Pennsylvania Department of Agriculture, Harrisburg, Pennsylvania.

TABLE I--CLASSIFICATION SHOWING AVERAGE ANALYSIS
AND PRICES OF SAMPLES ANALYZED WITH SUMMARY OF DEFICIENCIES

FEEDING STUFFS CLASSES	SAMPLES	BRANDS	GUARAN-TEED	PROTEIN %	FAT %	FIBER %	PRICE PER TON	NO. DEFICIENT		EXCESS FIBER
								PROTEIN	FAT	
Alfalfa Meal	7	6	7	15.27	2.90	23.70	71.43	----	----	----
Meat and Bone Scrap	4	3	4	49.41	9.36	1.79	113.90	----	----	----
Meat Scrap	4	2	4	53.57	11.36	2.74	115.20	----	2	3
Brewers' Dried Grains	1	1	1	27.25	7.42	14.02	78.00	----	----	----
Hominy Feed	2	2	2	10.00	5.56	3.76	81.00	----	1	----
Corn Distillers' Dried Grains	1	1	1	28.63	9.84	11.02	82.00	----	----	----
Linseed Oil Meal	1	1	1	34.56	4.34	18.26	----	----	----	----
Crab Meal	1	1	2	34.75	2.28	10.10	----	----	1	1
Soybean Oil Meal	2	4	4	44.04	3.19	6.20	91.00	----	1	----
Wheat Bran	4	4	4	14.56	3.58	7.14	74.00	----	1	----
Wheat Middlings	5	5	5	14.93	3.34	3.54	73.20	1	----	----
Calf Feed	4	4	4	21.82	4.27	6.00	95.54	----	----	----
Chop Feed	5	5	5	11.09	3.53	6.64	101.50	----	----	----
Dairy Concentrates	28	22	28	33.15	3.69	7.16	96.89	4	1	2
Dairy Feed	11.5	9.4	11.5	20.49	4.03	7.98	84.12	----	8	----
Horse Feed	6	6	6	11.39	3.55	7.15	82.00	----	----	----
Poultry Concentrates	3	2	3	33.93	3.06	7.12	109.00	----	----	----
Poultry Feed	248	219	248	20.73	3.90	5.71	97.65	1	3	5
Scratch Feed	7	7	7	10.61	3.18	2.39	88.83	----	1	----
Bird Seed	1	1	1	16.81	10.27	6.03	----	----	1	----
Dog and Cat Food	91	77	91	15.87	9.72	0.42	----	18	13	29
Pigeon Feed	11	11	11	13.91	2.77	3.09	127.91	----	1	----
Rabbit Feed	3	2	3	19.40	3.79	14.31	----	----	----	----
Swine Concentrates	9	6	9	40.42	3.69	7.03	118.11	----	3	2
Swine Feed	53	52	53	17.43	3.76	6.35	89.90	----	3	1
Miscellaneous Feed	10	10	10	19.08	3.07	7.30	95.98	----	1	----
TOTAL	626	546	626	----	----	----	24	36	42	

Key to Table II Showing Analyses of Official Samples

Table II shows in detail the results of analyses under the various classifications, together with their guarantees.

Columns are provided for the found and guaranteed protein, fat and fiber.

Each sample is listed with a chemist's number which will be found in parentheses after the brand name.

The several classes of Feeding Stuffs, as shown on Table I, are classified under the following general headings and sub-headings:

ALFALFA PRODUCTS, including Alfalfa Meal

ANIMAL PRODUCTS, including Meat and Bone Scrap, and Meat Scrap

BREWERS' PRODUCTS, including Brewers' Dried Grains

CORN PRODUCTS, including Hominy Feed

DISTILLERS' PRODUCTS, including Corn Distillers' Dried Grains

LINSEED AND FLAX PRODUCTS, including Linseed Oil Meal

MARINE PRODUCTS, including Crab Meal

SOYBEAN PRODUCTS, including Soybean Oil Meal

WHEAT PRODUCTS, including Wheat Bran, and Wheat Middlings

CALF FEED

CHOP FEED

DAIRY CONCENTRATES

DAIRY FEED

HORSE FEED

POULTRY CONCENTRATES

POULTRY FEED

SCRATCH FEED

SMALL ANIMAL FEED, including Bird Seed, Dog and Cat Food, Pigeon Feed and Rabbit Feed

SWINE CONCENTRATES

SWINE FEED

MISCELLANEOUS FEED

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION	
	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.		
ALFALFA PRODUCTS								
<u>Alfalfa Meal</u>								
GREEN ACRE FARMS Nazareth, Pa.								
Green Acres Dehydrated Alfalfa Meal 13%	(552)	14.00	13.00	2.54	1.50	25.82	33.00	----
Green Acres Dehydrated Alfalfa Meal 17%	(551)	18.56	17.00	2.88	2.00	26.89	27.00	----
MEADOW BROOK FARMS Nazareth, Pa.								
Meadow Brook Farms Dehydrated Alfalfa Meal 17%	(554)	19.63	17.00	2.81	2.00	22.40	27.00	----
Meadow Brook Farms Dehydrated Alfalfa Meal 20%	(553)	22.00	20.00	2.43	2.00	22.40	24.00	----
SCHOENECK FARMS INCORPORATED Nazareth, Pa.								
Schoeneck's Super-Green Dehydrated Alfalfa Meal 17%	(4)	18.50	17.00	2.76	2.00	22.69	27.00	----
Schoeneck's Super-Green Dehydrated Alfalfa Meal 17%	(550)	20.25	17.00	3.14	2.00	23.05	27.00	----
Schoenack's Super-Green Dehydrated Alfalfa Meal 20%	(549)	23.94	20.00	3.71	2.00	19.18	22.00	----
Average		15.27	----	2.90	----	23.70	----	
ANIMAL PRODUCTS								
<u>Meat and Bona Scrap</u>								
BAUGH & SONS COMPANY Philadelphia, Pa.								
Baugh's Oldest Brand Meat & Bona Scrap	(568)	52.63	50.00	7.03	3.00	2.42	3.00	----
COOPERATIVE MILLS, INC. Harrisburg, Pa.								
Meat & Bona Scrap 55%	(18)	54.44	55.00	8.11	5.00	2.20	3.00	----
ROBERT A. REICHARD, INC. Allentown, Pa.								
Reichard's Beef & Bone Scrap	(10)	44.38	45.00	10.62	6.00	1.32	3.00	----
Reichard's Beef & Bone Scrap	(572)	46.19	45.00	11.66	6.00	1.22	3.00	----
Average		49.41	----	9.36	----	1.79	----	
<u>Meat Scrap</u>								
ROBERT A. REICHARD, INC. Allentown, Pa.								
Reichard's Beef Scrap 50%	(9)	50.25	50.00	5.89	6.00	2.06	3.00	----
Reichard's High Grade Beef Scrap	(11)	55.19	55.00	12.33	6.00	*3.34	2.00	----
Reichard's High Grade Beef Scrap	(226)	54.38	55.00	13.73	6.00	*2.89	2.00	----
Reichard's High Grade Beef Scrap	(571)	54.44	55.00	13.50	6.00	*2.66	2.00	----
Average		53.57	----	11.36	----	2.74	----	
BREWERS' PRODUCTS								
<u>Brewers' Dried Grains</u>								
JESSE C. STEWART COMPANY Pittsburgh, Pa.								
Red Latta Dried Brewers' Grains	(657)	27.25	24.00	7.42	6.00	14.02	19.00	----
Average		27.25	----	7.42	----	14.02	----	
CORN PRODUCTS								
<u>Hominy Feed</u>								
MINER-HILLARD MILLING COMPANY Wilkes-Barra, Pa.								
Choice Steam Cooked Hominy Feed	(12)	10.00	10.00	6.31	5.00	4.11	5.00	----

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
MOUNT VERNON MILLING COMPANY Mount Vernon, Ind.							
Poco Hominy Feed	(573)	10.00	10.00	*4.81	5.50	3.41	6.00
Average		10.00	----	5.56	----	3.76	----
<u>DISTILLERS' PRODUCTS</u>							
<u>Corn Distillers Dried Grains</u>							
FERNEAU GRAIN COMPANY Blanchester, Ohio							
F Corn Distillers Dried Grains	(658)	28.63	26.00	9.84	8.00	11.02	14.00
Average		28.63	----	9.84	----	11.02	----
<u>LINSEED AND FLAX PRODUCTS</u>							
<u>Linseed Oil Meal</u>							
SPENCER KELLOGG & SONS, INC. Chicago, Ill.							
Spencer Kellogg's 32% Protein Old Process Linseed Oil Meal	(613)	34.56	32.00	4.34	3.50	8.26	9.00
Average		34.56	----	4.34	----	8.26	----
<u>MARINE PRODUCTS</u>							
<u>Crab Meal</u>							
READING POULTRY FOOD COMPANY Reading, Pa.							
Reading Crab Meal	(8)	34.75	31.00	*2.28	2.75	*10.10	9.00
Average		34.75	----	2.28	----	10.10	----
<u>SOYBEAN PRODUCTS</u>							
<u>Soybean Oil Meal</u>							
CENTRAL SOYA COMPANY, INC. Port Wayne, Ind.							
Central 41% Protein Expeller Soybean Oil Meal	(541)	43.13	41.00	4.36	3.50	6.56	7.00
LOUISVILLE SOY PRODUCTS CORPORATION Louisville, Ky.							
"Lou Soy" 44% Protein Solvant Soybean Oil Meal	(615)	44.94	44.00	2.02	0.50	5.84	7.00
Average		44.04	----	3.19	----	6.20	----
<u>WHEAT PRODUCTS</u>							
<u>Wheat Bran</u>							
W. H. BOHNER Pittsburgh, Pa.							
Wheat Bran	(185)	15.19	13.00	4.00	3.00	7.69	9.00
HAINES BROTHERS Allentown, Pa.							
Haines Whaar Bran	(559)	14.06	15.00	*3.41	4.00	5.54	10.00
MIDDLEBROOK ROLLER MILLS Woodbury, Pa.							
Winter Whaar Bran	(333)	13.81	13.00	3.18	2.75	8.48	11.00
WOODBURY MILLING COMPANY Woodbury, Pa.							
Pure Whaar Bran	(331)	15.25	13.00	3.70	3.00	6.95	10.00
Average		14.56	----	3.58	----	7.14	----

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	
<u>Wheat Middlings</u>								
HAINES BROTHERS Allentown, Pa.								
Haines Wheat Middlings	(560)	*14.31	16.00	3.69	4.00	3.21	6.00	----
MAUSER MILL COMPANY Treiblers, Pa.								
Wheat Flour Middlings with Ground Screenings N.E.M.R.	(5)	15.69	15.00	3.83	4.00	3.81	6.00	----
MIDDLEBROOK ROLLER MILLS Woodbury, Pa.								
Winter Wheat Middlings	(335)	14.06	13.00	3.66	3.50	2.62	11.00	----
SNYDER MILLING COMPANY Timblin, Pa.								
Choice Ground Middlings	(524)	14.69	15.00	4.43	4.00	5.21	12.00	----
WOODBURY MILLING COMPANY Woodbury, Pa.								
Blue Ribbon Flour Middlings	(332)	15.88	13.00	4.03	2.00	2.85	6.00	----
Averaga		14.93	----	3.34	----	3.54	----	
<u>CALF FEED</u>								
R. A. BATES & SON Knoxville, Pa.								
Oak Leaf Calf Starter with Liver Meal	(592)	21.38	20.00	3.82	4.00	5.83	6.00	----
DAILEY MILLS, INC. Olean, N. Y.								
Double Diamond Hi Cal Calf Producer	(291)	19.81	18.00	4.63	3.00	6.74	8.00	----
THE QUAKER OATS COMPANY Chicago, Ill.								
Ful-O-Pap Calf Starter (Pellats)	(612)	22.69	20.00	4.48	4.00	5.94	8.00	----
REED MILLING COMPANY Brookville, Pa.								
Triangle Calf Maal	(516)	23.38	20.00	4.13	4.00	5.51	8.00	----
Averaga		21.82	----	4.27	----	6.00	----	
<u>CHOP FEED</u>								
KEYSTONE FLOUR & FEED COMPANY Punxsutewny, Pa.								
Keystone Corn & Oats Chop	(518)	11.06	8.00	3.71	2.50	8.47	10.00	----
MARTINSBURG MILLING COMPANY, INC. Martinsburg, Pa.								
Mixed Chop	(339)	11.25	9.00	3.02	3.00	8.76	12.00	----
THE RICHARDS MILLING COMPANY Cortland, Ohio								
Richards Special Chop	(398)	10.31	8.00	3.29	3.00	5.44	12.00	----
SNYDER MILLING COMPANY Timblin, Pa.								
Corn & Oats Chop	(523)	10.63	10.00	3.84	4.00	4.91	8.00	----
UNITED MILLS Clarion, Pa.								
United Mills Corn & Oats Chop	(532)	12.19	10.00	3.77	3.00	5.64	12.00	----
Average		11.09	----	3.53	----	6.64	----	

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION	
	Found	Guar.	Found	Guar.	Found	Guar.		
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.		
<u>DAIRY CONCENTRATES</u>								
ALLIED MILLS, INCORPORATED Chicago, Ill.								
Wayne 32% Dairy Feed (193)	34.50	32.00	3.09	3.00	5.81	10.00	----	----
Wayne 32% Dairy Feed (302)	35.56	32.00	3.21	3.00	5.65	10.00	----	----
Wayne 32% Dairy Feed (527)	36.81	32.00	2.72	3.00	5.67	10.00	----	----
R. S. ALTMAN Irwin, Pa.								
Altman's 32% Dairy Concentrate (547)	31.31	32.00	3.72	4.00	6.92	10.00	----	----
COLLEGEVILLE MILLS Collegeville, Pa.								
Perkioman Dairy Concentrate (225)	33.69	32.00	4.29	3.50	7.66	9.00	----	----
COOPERATIVE G.L.F. EXCHANGE, INC. Ithaca, N. Y.								
G.L.F. 30% Dairy Supplement (402)	32.31	30.00	3.54	3.00	7.68	9.00	----	----
COOPERATIVE MILLS, INC. Harrisburg, Pa.								
32% Milk Mekar (151)	34.94	32.00	3.55	3.00	7.65	10.00	----	----
32% Milk Mekar (202)	36.12	32.00	4.15	3.00	6.04	10.00	----	----
32% Milk Mekar (258)	36.00	32.00	3.50	3.00	8.14	10.00	----	----
32% Milk Mekar (286)	35.63	32.00	4.16	3.00	6.81	10.00	----	----
CUMBERLAND VALLEY COOPERATIVE ASSOCIATION Shippensburg, Pa.								
Old Reliable 32% Dairy Concentrate (366)	33.00	32.00	3.88	3.50	7.66	10.00	----	----
DAILEY MILLS, INC. Olean, N. Y.								
Double Diamond 32% Dairy Supplement (289)	35.06	32.00	3.97	3.00	5.56	6.50	----	----
DAYTON FARMERS' EXCHANGE Dayton, Pa.								
Shirey's Best 32% Dairy Supplement (310)	34.13	32.00	4.46	2.50	*8.90	8.00	----	----
DIETRICH & GAMMILL, INC. Frederick, Md.								
Pen-Mar 32% Dairy Feed (297)	*29.69	32.00	5.00	3.50	8.53	9.00	----	----
H. P. DYSON'S SONS COMPANY New Bloomfield, Pa.								
Dyson's 32% Dairy Ration (363)	*24.44	32.00	4.32	4.00	*9.05	8.00	----	----
FREDONIA MILLING COMPANY Fredonia, Pa.								
Blue Ribbon 32% Dairy Concentrate (208)	32.63	32.00	3.24	2.00	6.02	9.00	----	----
JAMES H. GRAY MILLING COMPANY Springville, N. Y.								
Gramco 30% Super Dairy Supplement (627)	30.56	30.00	5.37	3.00	6.87	9.00	----	----
E. H. KEEN & SON Parkeburg, Pa.								
Keen's 32% Dairy Feed (421)	32.56	32.00	4.16	4.50	7.54	9.00	----	----
MARITIME MILLING COMPANY, INC. Buffalo, N. Y.								
Ei-Test Dairy Feed 30% Mixing Feed (582)	33.63	30.00	2.95	2.50	7.37	8.00	----	----
MCMILLEN FEED MILLS Fort Wayne, Ind.								
Master Blend Dairy Concentrate (153)	34.88	33.00	1.90	2.00	5.94	9.00	----	----
MUNDIS MILLS, INC. York, Pa.								
Mundis Markitop 32% Dairy Concentrate (162)	33.00	32.00	4.47	1.50	6.83	8.00	----	----

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION	
	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.		
RALSTON PURINA COMPANY St. Louis, Mo.								
Purina Cow Chow Concentrate A	(148)	32.56	32.00	2.60	2.00	6.81	9.00	----
Purina Cow Chow Concentrate A	(522)	33.63	32.00	2.52	2.00	6.34	9.00	----
RED BANK MILLS New Bethlehem, Pa.								
Red Bank 32% Excell Dairy	(534)	*30.19	32.00	5.53	4.50	8.42	10.00	----
ROUX FEED MILLS Sharon, Pa.								
Roux Blue Ribbon 32% Dairy	(191)	39.75	32.00	2.54	1.00	6.63	12.00	----
SPRINGS FEED & LUMBER COMPANY Cambridge Springs, Pa.								
Springs 30% Dairy	(659)	31.69	30.00	3.82	2.00	6.41	9.00	----
P. O. SUNDAY Carlisle, Pa.								
Cumberland 34% Dairy	(359)	*29.06	34.00	*1.76	3.00	10.34	10.00	----
H. R. WENTZEL SONS Newport, Pa.								
32% Perry Dairy Feed	(351)	30.69	32.00	4.74	4.50	7.19	10.00	----
Average		33.15	----	3.69	----	7.16	----	
DAIRY FEED								
ALLIED MILLS, INCORPORATED Chicago, Ill.								
Wayne 24% Dairy Feed	(194)	29.19	24.00	4.34	3.00	7.36	10.00	----
Wayne 20% Dairy Ration	(195)	22.75	20.00	4.00	4.00	7.39	10.00	----
Wayne 20% Dairy Ration	(303)	24.50	20.00	3.94	4.00	6.61	10.00	----
Wayne Fitting Ration	(196)	17.50	13.00	5.18	3.00	7.86	10.00	----
R. S. ALTMAN Irwin, Pa.								
Altman's 16% Dairy Ration	(16)	16.75	16.00	2.86	3.00	9.36	12.00	----
Altman's 20% Dairy Ration	(247)	21.63	20.00	3.93	3.00	8.26	12.00	----
Altman's 20% Dairy Ration	(546)	20.25	20.00	3.61	3.00	8.43	12.00	----
APOLLO MILLING COMPANY Apollo, Pa.								
Apollo's Best 20% Dairy Feed	(15)	19.94	20.00	4.73	3.50	7.09	11.00	----
R. A. BATES & SON Knoxville, Pa.								
Oak Leaf Dairy Ration 18	(590)	19.13	18.00	5.02	3.00	7.28	9.00	----
Oak Leaf Fitting Ration 14	(589)	16.38	14.00	4.38	3.00	5.92	9.00	----
C. D. BELL & SON Hop Bottom, Pa.								
C. D. Bell's Cow Feed	(487)	21.31	18.00	4.79	3.50	6.96	10.00	----
BEST FEEDS & FARM SUPPLIES, INC. Washington, Pa.								
Besco 16% Dairy Ration	(265)	18.06	16.00	3.00	2.50	11.04	14.00	----
BROWN & FASSETT Tunkhannock, Pa.								
B. & F. Twenty Special Dairy Feed	(467)	18.25	20.00	5.64	4.00	8.33	10.00	----
COOPERATIVE G.L.F. EXCHANGE, INC. Ithaca, N. Y.								
G.L.F. 18% Dairy	(652)	20.69	18.00	4.14	3.50	7.02	9.00	----
G.L.F. Exchange Dairy	(623)	20.88	20.00	4.56	4.00	7.42	9.00	----
G.L.F. Exchange Dairy	(653)	22.63	20.00	4.10	4.00	7.24	9.00	----
G.L.F. Fitting Ration	(576)	14.63	12.00	4.74	3.25	6.66	10.00	----
G.L.F. Fitting Ration	(625)	14.25	12.00	4.09	3.25	6.97	10.00	----
G.L.F. Milk Maker	(578)	27.44	24.00	4.59	3.50	7.95	9.00	----
Super 18% Dairy	(574)	21.38	18.00	4.87	4.50	8.12	10.00	----

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	
COOPERATIVE MILLS, INC. Harrisburg, Pa.							
16% Dairy (204)	21.50	16.00	4.01	3.00	9.60	12.00	----
20% Milk Maker (203)	23.06	20.00	4.53	3.50	7.79	10.00	----
20% Milk Maker (263)	22.75	20.00	4.48	3.50	8.36	10.00	----
20% Milk Maker (356)	22.75	20.00	4.54	3.50	7.88	10.00	----
20% Milk Maker (540)	23.13	20.00	4.36	3.50	7.53	10.00	----
24% Milk Maker (201)	27.19	24.00	5.12	3.50	8.14	10.00	----
CUMBERLAND VALLEY COOPERATIVE ASSOCIATION Shippensburg, Pa.							
Hub 16% Dairy Feed (365)	19.75	16.00	2.94	3.00	6.50	12.00	----
DAILEY MILLS, INC. Oleven, N. Y.							
Double Diamond Fitting Ration 14% with Pellets (630)	14.00	14.00	3.54	3.50	11.23	13.00	----
Double Diamond 16% Milk Producer (631)	17.06	16.00	3.64	3.50	10.36	10.00	----
DAYTON FARMERS EXCHANGE Dayton, Pa.							
Shirey's Best 16% Dairy Feed (314)	19.06	16.00	4.17	3.00	8.59	8.00	----
DEAN & LEE Horseheads, N. Y.							
Pioneer Dairy Ration 20% (594)	23.44	20.00	3.51	3.50	7.62	10.00	----
DIETRICH & GAMBRILL, INC. Frederick, Md.							
Pen Mar 20% Dairy (298)	18.00	20.00	4.01	3.50	8.13	10.00	----
DUBLIN MILLING COMPANY Dublin, Pa.							
Dublin 18% Dairy Feed (220)	18.50	18.00	4.07	3.00	8.04	9.00	----
EASTERN STATES FARMERS' EXCHANGE INCORPORATED West Springfield, Mass.							
Fulpail (272)	23.19	20.00	4.26	3.50	7.48	9.00	----
Milkmore (271)	18.06	16.00	4.81	3.50	7.25	8.50	----
Milkmore (346)	17.81	16.00	4.74	3.50	7.69	8.50	----
JOHN W. ESHELMAN & SONS Lancaster, Pa.							
Eshelman Challenge 24% Dairy Feed (197)	24.13	24.00	4.32	3.50	10.69	11.00	----
Eshelman Conestoga 20% Dairy Feed (199)	22.88	20.00	4.47	3.50	10.09	11.00	----
Eshelman Pennsy 16% Dairy Feed (200)	17.25	16.00	5.01	3.00	11.49	12.00	----
Eshelman Pennsy 16% Dairy Feed (538)	15.75	16.00	4.31	3.00	12.87	12.00	----
Eshelman Red Rose 18% Dairy Feed (437)	22.25	18.00	4.69	3.50	8.59	9.50	----
Eshelman Red Rose 20% Dairy Feed (537)	21.63	20.00	3.70	3.50	8.91	9.50	----
FACTORYVILLE MILLING COMPANY Factoryville, Pa.							
Miracle 18% Dairy Ration (475)	19.31	18.00	3.72	3.00	6.65	10.00	----
FRYBURG ROLLER MILLS Fryburg, Pa.							
Blue Ribbon 18% Dairy Feed (320)	18.38	18.00	4.23	3.50	10.63	12.00	----
GENERAL MILLS, INCORPORATED Minneapolis, Minn.							
Larro 20% Dairy Feed (301)	23.25	20.00	2.69	2.50	8.32	12.00	----
W. M. GOLDEN & SON Springville, Pa.							
Sweet 16% Dairy Ration (483)	16.88	16.00	4.57	4.00	8.36	9.00	----
JAMES H. GRAY MILLING COMPANY Springville, N. Y.							
Gramco 20% Super Dairy Ration (626)	21.25	20.00	5.52	4.50	7.03	8.00	----
Gramco 12% Super Fitting Ration (629)	14.56	12.00	4.57	4.00	7.49	11.00	----

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	
HALES & HUNTER COMPANY Chicago, Ill.							
Pioneer 18 Dairy	(636)	20.31	18.00	3.96	3.00	7.39	9.00
Pioneer Pelleted Flaked 18% Dairy	(306)	20.88	18.00	4.08	3.00	7.06	9.00
HARPER FEED MILLS, INC. Washington, Pa.							
Green Pasture 18% Dairy Ration	(3)	20.81	18.00	2.79	3.00	7.87	11.00
F. D. HARTZELL'S SONS COMPANY Chalfont, Pa.							
Perfection Dairy Feed	(215)	19.13	16.00	3.37	3.00	6.49	8.00
THE HERRMAN-MCLEAN COMPANY Cleveland, Ohio							
Ohio 20% Milk Maker	(634)	24.44	20.00	3.28	3.50	5.59	10.00
Sunshine 18% Dairy	(530)	19.06	18.00	*2.66	3.00	10.51	15.00
J. F. HOGSETT & SONS Uniontown, Pa.							
Hogsett's 16% Dairy Feed	(243)	19.19	16.00	4.08	3.00	9.13	12.00
HONESDALE FLOUR & FEED COMPANY Honesdale, Pa.							
Tru-Mix Fitting Ration	(476)	14.75	15.00	4.34	4.00	7.43	8.00
ROBERT JAMIESON & SONS Fredonia, Pa.							
Red Circle 17% Dairy Ration	(205)	18.31	17.00	4.27	4.00	6.22	10.00
Red Circle 20% Victory Dairy	(206)	22.81	20.00	4.28	3.00	6.71	10.00
J. W. JOHNSON & SON Albion, Pa.							
Johnson's Banner Dairy Feed	(642)	19.25	18.00	3.74	3.50	8.54	12.00
KEEBLER FEED & FARM SUPPLIES Montoursville, Pa.							
Keebler's 20% Dairy	(292)	22.00	20.00	3.70	3.50	5.20	9.90
C. R. KLINGER Middlecreek, Pa.							
K-Brend 16% Dairy Feed	(355)	19.31	16.00	3.86	3.00	6.63	11.00
K-Brend 20% Dairy Feed	(354)	23.38	20.00	3.98	3.50	6.64	8.00
J. R. LEWIS Orson, Pa.							
J.R.L. Dairy Ration	(480)	21.06	20.00	3.85	3.00	8.88	10.00
LYKENS VALLEY ROLLER MILLS Millersburg, Pa.							
Shiffer's Quality 16% Dairy Feed	(182)	16.75	16.00	4.30	3.00	7.52	12.00
MAHONING VALLEY MILLING COMPANY Punxsutawney, Pa.							
Mahoning Dairy 16%	(316)	18.25	16.00	*3.04	3.50	8.37	10.00
Mahoning 24% Dairy Ration	(317)	23.56	24.00	*2.50	4.00	7.62	10.00
MARITIME MILLING COMPANY, INC. Buffalo, N. Y.							
B-B Bull Brand "18" Dairy Ration	(587)	22.38	18.00	4.36	4.00	7.65	9.00
B-B Bull Brand "20" Dairy Ration	(586)	26.31	20.00	6.83	4.00	8.23	9.00
Hi-Test Dairy Feed 20% Pro.	(581)	21.50	20.00	3.61	3.50	8.13	12.00
Marmico 16% Protein Dairy Feed	(583)	17.75	16.00	3.56	3.00	11.34	12.00
MARTINSBURG MILLING COMPANY Martinsburg, Pa.							
Blue Ribbon 20% Dairy Feed	(343)	19.19	20.00	2.73	3.00	8.75	9.00
MAUSER MILL COMPANY Pemberton, Pa.							
Meuser's Dairy Feed	(565)	21.69	18.00	4.27	3.00	7.07	9.00
* Deficient							

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION	
	Found	Guar.	Found	Guar.	Found	Guar.		
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.		
MCCAUGHEY FEED & COAL COMPANY Glensida, Pa.								
Primex Cow Feed	(211)	19.06	20.00	*2.80	3.50	8.46	8.00	----
MCMILLEN FEED MILLS Fort Wayne, Ind.								
Hummar Dairy Feed	(656)	21.31	16.00	2.71	3.00	9.31	15.00	----
Master Mix 20% Dairy Feed	(299)	23.50	20.00	3.34	3.00	8.21	9.00	----
Master Mix Fitting Ration	(207)	20.31	13.00	3.76	3.00	8.28	10.00	----
MINER-HILLARD MILLING COMPANY Wilkes-Barre, Pa.								
20% M-H Dairy Feed	(393)	21.25	20.00	5.13	3.00	8.23	9.50	----
S. K. MINOR & SON Washington, Pa.								
Minor's Dairy Feed	(277)	20.75	18.00	4.08	3.00	7.68	9.00	----
H. W. NEIGER MILLING COMPANY North Girard, Pa.	(645)	18.50	20.00	4.59	3.50	8.72	10.00	----
NEW MILFORD COOPERATIVE G.L.F. SERVICE INCORPORATED New Milford, Pa.								
New Milford 18% Dairy	(485)	19.38	18.00	4.69	3.50	7.03	11.00	----
NYCE'S SUPPLY YARDS New Britain, Pa.								
Gilt Edge 18% Dairy Ration	(219)	21.44	18.00	3.80	3.00	8.67	10.00	----
THE PARK & POLLARD COMPANY, INC. Buffalo, N. Y.								
Milk Maid Dri-Fresh Ration	(616)	13.88	12.00	3.50	3.00	7.61	10.00	----
Red Ribbon 20% Dairy Ration	(619)	21.63	20.00	4.74	3.50	8.75	11.00	----
THE QUAKER OATS COMPANY Chicago, Ill.								
Ful-O-Pap Fitting Feed	(157)	19.69	14.00	3.69	3.00	8.35	11.00	----
Quaker 20% Protein Dairy Feed	(323)	20.69	20.00	2.43	2.50	10.38	12.00	----
RALSTON PURINA COMPANY St. Louis, Mo.								
Chowmix 16% Dairy Feed	(252)	16.81	16.00	3.01	3.50	5.49	12.00	----
Purina Cow Chow 18%	(404)	19.75	18.00	3.76	3.00	7.17	12.00	----
Purina Cow Chow 18%	(545)	20.56	18.00	4.23	3.00	8.21	12.00	----
Purina Cow Chow 20%	(622)	21.88	20.00	4.68	3.00	7.66	12.00	----
Purina Cow Chow Supplement	(542)	26.31	24.00	3.96	2.50	6.70	11.00	----
Purina Milk Chow 16%	(255)	19.75	16.00	4.39	3.00	9.11	12.00	----
Purina Milk Chow 20%	(544)	21.25	20.00	4.60	3.50	8.16	12.00	----
Purina Milk Chow 20%	(621)	22.00	20.00	5.14	3.50	8.06	12.00	----
RED BANK MILLS New Bethlehem, Pa.								
20% Superior Dairy Feed	(536)	20.44	20.00	3.90	4.00	9.54	10.00	----
REED MILLING COMPANY Brookville, Pa.								
Triangla 20% Dairy Ration	(513)	22.75	20.00	4.44	3.50	8.88	11.00	----
THE RICHARDS MILLING COMPANY Cortland, Ohio								
Richards Pellflake Dairy Feed	(610)	16.06	16.00	3.82	4.00	8.50	9.00	----
Richards Thrift 24% Dairy Feed	(609)	26.44	24.00	2.79	3.00	7.14	10.00	----
ROUX FEED MILLS Sharon, Pa.								
Roux 20% Dairy	(190)	22.25	20.00	2.81	2.00	6.71	12.00	----
Roux 24% Dairy	(189)	22.00	24.00	2.19	2.00	6.90	12.00	----
EARL SAUDER New Rolland, Pa.								
Sauder's Sweet 24% Dairy	(430)	27.19	24.00	4.38	4.00	7.98	9.00	----

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	
S. L. SHANAMAN Honey Brook, Pa.							
Shenaman's Merkitop 16% Dairy Feed (431)	17.63	16.00	3.81	1.50	7.59	12.50	----
SPENCER MILLING COMPANY Thompson, Pa.							
Spencer 18% Dairy (481)	20.75	18.00	4.19	3.25	7.20	10.00	----
SWINGLE BROTHERS Lake Ariel, Pa.							
Speciel 20% Dairy Ration (479)	21.25	20.00	4.09	4.00	6.62	9.00	----
THORPE, BAKER & COMPANY Cerbondale, Pa.							
C-A Dairy Ration (405)	23.50	20.00	*3.52	4.00	6.90	10.00	----
JACOB TRINLEY & SONS, INC. Linfield, Pa.							
Trinley's Real 20% Dairy Feed (230)	19.81	20.00	4.47	4.00	9.32	9.00	----
UNITED MILLS Clarion, Pa.							
United Mills 20% Milk Maker (533)	19.06	20.00	4.00	3.00	8.28	10.00	----
VANDERVORT MILLS, INC. Leceyville, Pa.							
Vendervort's Gold Band 16% Dairy Ration (484)	17.63	16.00	4.93	4.50	7.14	8.00	----
Vendervort's Gold Band 18% Dairy Ration (469)	20.00	18.00	4.50	4.50	6.52	8.00	----
Vendervort's Gold Band 12% Fitting Ration (470)	13.06	12.00	*3.79	4.50	4.94	7.50	----
WAYMART MILLING COMPANY Waymert, Pa.							
Weybest 18% Dairy Ration (472)	18.38	18.00	4.17	4.00	5.86	7.50	----
WAYNESBURG MILLING COMPANY Waynesburg, Pa.							
Weyco 20% Dairy Feed (281)	23.63	20.00	2.87	3.00	10.28	10.00	----
H. R. WENTZEL SONS Newport, Pa.							
16% Perry Dairy Feed (352)	18.56	16.00	*3.38	4.00	6.45	10.00	----
24% Perry Dairy Feed (350)	26.86	24.00	*4.66	6.50	7.08	10.00	----
WESTERN FLOUR COMPANY Cherleroi, Pa.							
Economy 20% Dairy Ration (280)	22.94	20.00	4.25	3.00	7.84	11.00	----
WHITEHILL FEED Somerset, Pa.							
Whitehill 16% Dairy Feed (260)	20.63	16.00	4.04	3.00	9.34	9.00	----
Average	20.49	----	4.03	----	7.98	----	
<u>HORSE FEED</u>							
COOPERATIVE G.L.F. EXCHANGE, INC. Ithace, N. Y.							
G.L.F. Horse Feed (651)	12.75	9.00	4.09	3.50	6.85	9.00	----
JORN W. ESHELMAN & SONS Lencaster, Pa.							
Eshelman Lancaster Horse Feed (463)	12.00	9.00	3.09	2.50	8.22	11.00	----
Eshelman Red Rose Horse Feed (450)	10.94	9.00	3.72	3.00	6.66	10.00	----
J. F. HOGSETT & SONS Uniontown, Pa.							
Hogsett's Horse Feed (240)	11.75	10.00	3.54	3.00	7.22	10.00	----

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	
JACOB TRINLEY & SONS, INC. Linfield, Pa.							
Real Horse Feed 85% Grain Supreme 85% Grain Horse Feed	(462) 10.56 (233) 10.38	10.00 9.00	3.67 3.20	3.00 2.50	7.03 7.03	11.00 11.00	----
Average	11.39	----	3.55	----	7.15	----	
<u>POULTRY CONCENTRATES</u>							
COOPERATIVE MILLS, INC. Harrisburg, Pa.							
32% Poultry Supplement 32% Poultry Supplement	(19) 34.38 (257) 33.44	32.00 32.00	2.52 2.78	2.50 2.50	6.35 7.02	8.00 8.00	----
FREDONIA MILLING COMPANY Fredonia, Pa.							
Blue Ribbon Laying Mash Concentrate	(209) 33.94	34.00	3.88	1.50	8.00	9.00	----
Average	33.93	----	3.06	----	7.12	----	
<u>POULTRY FEED</u>							
ALLIED MILLS, INCORPORATED Chicago, Ill.							
Wayne Egg Mash Wayne Growing Mash	(525) 21.50 (526) 19.06	20.00 18.00	4.34 4.41	3.00 2.50	6.13 7.34	8.00 8.00	----
R. S. ALTMAN Irwin, Pa.							
Altmann's Buttermilk Starting & Broiler Mash	(608) 22.25	18.00	3.78	3.00	6.74	8.00	----
Altmann's "B" Growing Mash	(159) 16.38	17.00	4.38	3.00	7.65	9.00	----
Altmann's "B" Growing Mash	(249) 19.31	17.00	4.42	3.00	6.34	9.00	----
Altmann's "B" Starter & Broiler	(160) 22.31	18.00	3.78	3.00	7.42	8.00	----
Altmann's "B" Starter & Broiler	(250) 21.00	18.00	4.27	3.00	6.35	8.00	----
Altmann's Quality Egg Mash	(161) 21.94	20.00	4.24	3.00	6.03	9.00	----
Altmann's Quality Egg Mash	(246) 21.44	20.00	4.34	3.00	8.50	9.00	----
Altmann's Quality Egg Mash	(386) 20.94	20.00	3.59	3.00	5.82	9.00	----
Altmann's Quality Egg Mash	(607) 19.63	20.00	3.93	3.00	6.25	9.00	----
Altmann's Super A Egg Mash	(248) 29.19	24.00	3.36	3.00	6.49	8.00	----
Altmann's Super A Egg Mash	(548) 27.25	24.00	3.41	3.00	6.89	8.00	----
Altmann's Super A Egg Mash	(605) 24.81	24.00	4.00	3.00	6.04	8.00	----
Altmann's Super A "Y" Egg Mash	(385) 27.63	24.00	3.26	3.00	6.34	8.00	----
Altmann's Super A Yeast Egg Mash	(606) 23.56	24.00	3.73	3.00	6.17	8.00	----
ANCHOR MILLS Bethlehem, Pa.							
Anchor Egg Mash Anchor Growing Mash Anchor Turkey Grower	(561) 22.00 (563) 20.50 (562) 20.06	20.00 18.00 18.00	5.46 4.36 4.32	2.00 2.00 2.00	5.26 5.04 4.99	7.00 7.00 7.00	----
J. B. ANDERSON'S SON Shickshinny, Pa.							
Triple A Laying Mash	(399) 19.31	17.00	4.01	3.50	6.98	8.00	----
BARE MILLING COMPANY Roaring Spring, Pa.							
Sterling 20% Laying Mash Sterling 18% Starter & Grower Mash	(326) 20.94 (324) 19.88	20.00 18.00	3.43 3.46	3.50 3.00	*9.41 6.90	7.50 6.50	----
A. J. BALSHI Catawissa, Pa.							
Must Gro Growing Mash Must Lay Egg Mash	(511) 21.13 (512) 20.69	20.00 20.00	3.50 3.48	3.00 3.50	4.82 4.37	8.00 8.00	----
E. A. BATES & SON Knoxville, Pa.							
Oak Leaf Egg Mash	(588) 20.06	19.00	4.34	4.00	5.72	8.00	----
THE BEACON MILLING COMPANY, INC. Cayuga, N. Y.							
Beacon "22" Egg Mash Beacon Market Egg All-Mash	(396) 23.38 (415) 17.44	22.00 15.00	4.62 4.50	3.50 3.50	5.41 6.33	6.50 6.50	----

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
BENTON ROLLER MILLS, INC. Banton, Pa.							
Mather Laying Mash (506)	18.19	18.00	5.16	3.00	5.93	8.00	----
Mather Special Mash (505)	16.44	17.00	4.40	3.00	5.36	8.00	----
BEST FEEDS & FARM SUPPLIES, INC. Washington, Pa.							
Basco Layar (603)	20.56	20.00	4.03	3.00	7.47	7.50	----
Bast Faeds Thrift Mash (266)	19.88	20.00	3.24	2.50	9.27	9.00	----
Top Profit 20% Layer (264)	21.19	20.00	3.93	3.50	4.09	5.00	----
Top Profit 20% Layar (391)	20.88	20.00	3.97	3.50	4.38	5.00	----
Top Profit Starter-Broiler-Grower (273)	23.81	20.00	3.18	3.00	3.30	5.00	----
Top Profit Startar-Broilar-Growar (392)	22.00	20.00	3.56	3.00	3.23	5.00	----
Top Profit Starter-Broiler-Growar (604)	20.13	20.00	3.73	3.00	3.66	5.00	----
Top Profit "Vi-En-Am" Health Layar-Braadar (601)	20.94	20.00	4.03	3.50	5.34	7.50	----
PAUL E. BLASS Paxinos, Pa.							
Shamrock Chick Starter (510)	22.19	21.00	3.86	2.50	4.33	6.00	----
BROWN & FASSETT Tunkhannock, Pa.							
B & F Favorita Dry Mash (468)	21.81	20.00	5.14	4.50	6.99	9.00	----
JOHN BROWN & SON New Wilmington, Pa.							
"Our Quality" Laying Mash (373)	20.94	20.00	3.36	3.50	6.31	7.00	----
BLEND & MCGINNIS Atglen, Pa.							
Miracula Egg Mash (420)	19.50	20.00	3.19	2.00	5.70	7.00	----
Miracula Growing Mash (419)	17.44	16.00	3.41	2.00	5.51	7.00	----
W. H. BOHNER Pillow, Pa.							
Bohner's Laying Mash (184)	22.69	16.00	4.51	4.00	6.03	8.00	----
EDGAR BRANDT & SONS Labanon, Pa.							
Tru-Vita Growar (173)	21.06	18.00	3.31	3.00	6.08	7.00	----
Tru-Vita Layer (172)	22.56	20.00	3.26	3.00	6.83	7.00	----
GURNEY D. BRANDT Labanon, Pa.							
Brandt's Ultra-Lifad Growing Mash (168)	20.50	18.00	3.80	2.50	5.91	7.00	----
Brandt's Ultra-Lifad 20% Laying Mash (169)	23.94	20.00	4.26	2.50	4.95	7.50	----
HAROLD C. BRANDT & COMPANY Annville, Pa.							
Blue Ribbon Growing Mash (238)	19.56	18.00	3.54	3.00	4.68	6.00	----
Blue Ribbon Laying Mash (237)	20.75	20.00	3.14	2.50	5.94	7.00	----
COLLEGEVILLE MILLS Collegeville, Pa.							
Improved Laying Mash (223)	21.69	18.00	5.22	3.00	6.23	7.50	----
COOPERATIVE G.L.F. EXCHANGE, INC. Ithaca, N. Y.							
G.L.F. Breadar Mash (577)	23.19	20.00	4.29	3.00	5.48	7.50	----
G.L.F. Growing Mash (406)	22.38	20.00	3.54	3.00	5.75	8.00	----
G.L.F. Growing Mesh (624)	20.81	20.00	3.66	3.00	5.78	8.00	----
G.L.F. Growing Mash (650)	23.88	20.00	3.89	3.00	5.49	8.00	----
G.L.F. Laying Mash (412)	21.56	20.00	3.91	3.00	5.16	7.50	----
G.L.F. Laying Mash (596)	20.56	20.00	3.83	3.00	5.72	7.50	----
COOPERATIVE MILLS, INC. Harrisburg, Pa.							
Starting & Growing Mash (434)	22.19	20.00	4.38	3.00	5.89	7.50	----
Super Laying Mash (150)	21.44	20.00	3.35	3.00	6.69	8.50	----
Super Laying Mash (262)	21.25	20.00	3.41	3.00	5.50	8.00	----
Super Laying Mash (287)	20.19	20.00	3.37	3.00	5.12	8.00	----
Super Laying Mash (433)	22.06	20.00	3.28	3.00	5.75	8.50	----

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	
CHAS. M. COX COMPANY Boston, Mass.							
Wirthmore Growing Mash (245)	20.44	18.00	3.77	3.00	6.24	7.00	----
Wirthmore Growing Mash (599)	21.31	18.00	3.77	3.00	6.30	7.00	----
Wirthmore Laying Mash (598)	21.81	20.00	3.54	3.00	6.66	7.00	----
DAILEY MILLS, INCORPORATED Olean, N. Y.							
Double Diamond Broiler (288)	21.63	20.00	5.00	5.00	4.24	6.00	----
Double Diamond Broiler Intermediate (632)	23.94	20.00	*4.27	5.00	4.43	6.00	----
DARLINGTON MILLING COMPANY Darlington, Pa.							
Darmico Grower (377)	19.06	16.00	*4.47	5.00	5.09	8.50	----
DAYTON FARMERS' EXCHANGE Dayton, Pa.							
Shirey's Best Grower Mash (313)	20.31	18.00	5.02	3.50	4.79	6.00	----
L. J. DENLINGER COMPANY Paradise, Pa.							
Denlinger's Egg Mash (425)	19.44	20.00	3.96	2.50	5.59	7.00	----
Denlinger's Growing Mash (424)	19.75	18.00	3.58	3.00	4.79	6.00	----
Denlinger's Super Broiler (423)	21.31	20.00	3.73	3.00	3.23	4.00	----
DIAMOND MILLING COMPANY New Brighton, Pa.							
Diamond Layer Mash (380)	20.50	20.00	3.24	2.50	5.29	7.00	----
DIETRICH & GAMBRILL, INC. Frederick, Md.							
Frederick Laying Mash (296)	20.00	20.00	4.64	3.50	6.85	8.00	----
F. A. DRAKE'S SON Cambridge Springs, Pa.							
Drake's Laying Mash (654)	21.44	20.00	3.16	2.50	4.52	7.00	----
Drake's Starter & Grower (655)	21.00	18.00	3.54	3.00	4.94	6.00	----
DUBLIN MILLING COMPANY Dublin, Pa.							
Dublin Laying Mash (222)	22.06	20.00	4.80	3.50	6.34	8.00	----
Dublin Starting & Growing Mash (221)	22.31	20.00	4.92	3.50	7.36	8.00	----
EZL. DUNWOODY COMPANY Philadelphia, Pa.							
Super X Laying Mash (459)	20.88	18.00	3.65	4.00	6.90	10.00	----
H. P. DYSON'S SONS COMPANY New Bloomfield, Pa.							
Dyson's Nordic 20% Laying Mash (362)	21.88	20.00	5.09	3.50	5.03	8.00	----
EASTERN STATES FARMERS' EXCHANGE INCORPORATED West Springfield, Mass.							
All-Mash Developer (270)	20.19	15.50	3.16	3.00	3.96	4.50	----
H. N. EPPINGER & SON New Bedford, Pa.							
Eppinger's Laying Mash (374)	18.69	18.00	4.66	4.00	7.32	7.50	----
JOHN W. ESHELMAN & SONS Lancaster, Pa.							
Eshelman Pennsy Laying Mash (403)	23.31	20.00	3.88	3.00	5.52	9.00	----
Eshelman Red Rose Broiler Ration (436)	22.00	20.00	4.02	3.50	5.43	7.50	----
Eshelman Red Rose Laying Mash (438)	21.94	20.00	4.10	3.50	5.39	8.00	----
Eshelman Red Rose Laying Mash (597)	22.39	20.00	3.63	3.50	5.89	8.00	----
Eshelman Red Rose Turkey Grower (395)	22.25	20.00	3.84	3.50	5.71	8.00	----
Eshelman Red Rose Starter & Grower with Sulfaquinoxaline (539)	19.00	18.00	4.31	3.50	4.78	7.00	----
FRYBURG ROLLER MILLS Fryburg, Pa.							
Blue Ribbon Egg Mash (321)	17.19	18.00	5.07	4.00	6.40	7.00	----

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
FURRY'S MILL Loysburg, Pa.							
Furry's Best Egg Mash (337)	20.06	20.00	4.56	3.50	5.51	6.50	----
GENERAL MILLS, INCORPORATED Minneapolis, Minn.							
Larro Broiler Feed (304)	23.56	20.00	3.11	3.00	4.52	5.50	----
Larro Chick Builder (464)	21.81	20.00	4.04	3.00	6.46	7.50	----
Larro Egg Mash (308)	22.56	20.00	3.64	2.50	6.18	8.00	----
Larro Egg Mash (648)	24.38	20.00	4.06	2.50	7.04	8.00	----
W. M. GOLDEN & SON Springville, Pa.							
Golden's 20% Laying Mash (482)	18.88	20.00	3.68	3.50	5.56	7.00	----
S. H. GOSS & SONS Lewistown, Pa.							
Mt. Rock Laying Mash (348)	17.19	18.00	3.96	3.00	6.37	10.00	----
JAMES H. GRAY MILLING COMPANY Springville, N. Y.							
Gramco Super Chick Grower (628)	20.69	20.00	4.46	4.00	6.86	7.00	----
GREENE COUNTY FARMERS EXCHANGE Waynesburg, Pa.							
Champion Quality Egg Mash (269)	23.31	18.00	4.76	3.50	5.17	9.00	----
HALES & HUNTER COMPANY Chicago, Ill.							
Red Comb Egg Mash (284)	22.56	20.00	3.50	3.00	6.53	7.00	----
Red Comb Egg Mash (305)	23.69	20.00	3.10	3.00	5.94	7.00	----
Red Comb Egg Mash (638)	21.31	20.00	4.00	3.00	6.07	7.00	----
Red Comb Growing Mash Crumbles (637)	20.69	18.00	3.94	3.00	4.52	7.00	----
HANEY-FRAZIER MILLING COMPANY Danville, Pa.							
Gold Seal Egg Mash (497)	21.63	19.00	3.71	3.00	5.43	8.00	----
HARPER FEED MILLS, INC. Washington, Pa.							
Harco Chick Starting Mash (276)	31.19	20.00	3.63	3.00	5.06	5.50	----
Harco Complete Starter-Broiler Ration (156)	21.31	18.00	3.94	3.00	5.64	6.50	----
Harco Laying Mash (602)	24.56	20.00	4.49	3.00	6.01	7.50	----
Harco Laying Mash (Pellets) (275)	24.38	20.00	3.97	3.00	5.08	7.50	----
F. D. HARTZELL'S SONS COMPANY Chalfont, Pa.							
Perfection Broiler Mash (213)	20.69	20.00	3.36	3.00	3.00	4.00	----
Perfection Egg Mash (212)	20.13	20.00	2.71	2.50	5.70	7.00	----
JOHN HERR Grantville, Pa.							
Herr's Egg Mash (176)	19.13	20.00	3.76	2.50	5.79	7.00	----
Herr's Starter & Grower (175)	20.81	16.00	4.27	2.50	5.23	7.00	----
THE HERRMAN-MCLEAN COMPANY Cleveland, Ohio							
Ohio Egg Mash with Dried Tomatoes (635)	22.38	20.00	3.93	4.00	5.97	8.00	----
J. F. HOGSETT & SONS Uniontown, Pa.							
Hogsett's Laying Mash (242)	20.31	18.00	4.29	3.50	5.81	7.00	----
Hogsett's Turkey Grower (244)	22.50	20.00	4.36	3.00	6.41	8.00	----
FRED L. & JOHN E. HOMSHER Strasburg, Pa.							
Homsher's 20% Egg Mash (427)	18.56	20.00	3.92	4.00	*8.28	7.50	----
Homsher's Growing Mash (428)	17.38	18.00	3.91	4.00	*7.95	7.00	----
Homsher's 20% High Energy Broiler Mash (426)	20.13	20.00	4.13	3.00	4.34	6.50	----
HONESDALE FLOUR & FEED COMPANY Honesdale, Pa.							
Tru-Mix Laying Mash (477)	18.31	18.00	4.98	4.00	6.51	6.50	----
Deficient							

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
D. E. HORN & COMPANY York, Pa.							
Hornco 20% Lay Mash (167)	21.69	20.00	4.26	3.00	6.63	8.00	---
Hornco Starter-Grower Mash (166)	21.63	20.00	4.04	3.00	5.98	7.00	---
HUBBARD MILLING COMPANY Ambridge, Pa.							
Hubbard's Sunshine Chick Starter (381)	21.50	18.00	4.02	4.00	5.56	7.00	---
Hubbard's Sunshine Egg Mash (382)	21.44	20.00	3.79	3.50	6.41	7.00	---
WM. M. HUDSON & COMPANY Greensburg, Pa.							
Hudson's Best Egg Mash (611)	18.13	20.00	3.92	3.75	8.26	8.00	---
HUNTSINGER'S MILL Hegins, Pa.							
High Energy Broiler Mash (492)	22.38	20.00	4.74	3.50	2.88	4.50	---
Quality Egg Mash (489)	23.50	20.00	5.06	4.00	5.61	7.00	---
Quality Growing Mash (491)	19.44	18.00	4.91	4.00	4.93	7.50	---
Quality Starting Mash (490)	21.13	20.00	4.77	4.00	4.62	6.50	---
J. W. JOHNSON & SON Albion, Pa.							
Penn State Egg Mash (641)	16.44	18.00	4.17	4.00	*7.39	6.00	---
Penn State Starter & Grower (640)	16.69	18.00	3.96	4.00	*7.81	6.00	---
JUNIATA ROLLER MILLS Thompsonstown, Pa.							
Burns' Special Laying Mash (367)	20.56	20.00	3.28	3.00	4.99	7.00	---
Burns' Special Starter & Grower (368)	20.44	17.00	3.67	4.00	4.53	7.00	---
KASCO MILLS, INC. Waverly, N. Y.							
Kasco Egg Producer (413)	22.63	20.00	4.02	3.00	5.88	7.50	---
Kasco Growing Mash (585)	19.44	18.00	4.00	3.00	4.60	7.50	---
Kasco Poultry Flushing Mash (401)	18.94	17.00	3.29	3.00	4.18	6.00	---
KASHNER BROTHERS Danville, Pa.							
Green Diamond Chick Starter & Grower (499)	17.81	16.00	3.80	2.50	5.11	7.00	---
Green Diamond Egg Mash (498)	18.19	18.00	3.64	2.50	6.09	7.00	---
KEEBLER FEED & FARM SUPPLIES Montoursville, Pa.							
Keebler's Growing Mash (293)	19.69	18.00	4.06	4.00	5.25	6.90	---
Keebler's Laying Mash (294)	20.56	19.00	3.98	4.00	5.44	5.50	---
J. B. KELLEY Washingtonville, Pa.							
Kelley's Laying Mash (500)	18.69	18.00	5.21	3.50	7.64	10.00	---
Kelley's Starter & Growing Mash (502)	15.38	16.00	3.94	3.50	5.68	8.00	---
KEYSTONE FLOUR & FEED COMPANY Punxsutawney, Pa.							
Imperial 17% Egg Mash (520)	17.88	17.00	4.15	4.50	4.50	7.50	---
KIEFER BROTHERS Hegins, Pa.							
Kiefer's Premium Egg Mash (496)	21.19	20.00	3.41	2.50	5.92	7.00	---
Kiefer's Premium Growing Mash (493)	21.50	18.00	3.97	3.00	5.23	6.00	---
Kiefer's Special Broiler Mash (495)	20.75	20.00	3.78	3.00	3.53	4.00	---
KINTNER MILLING COMPANY Mehoopany, Pa.							
K M C O Laying Mash (465)	21.31	20.00	4.18	4.00	6.05	7.00	---
K M C O Laying Mash (486)	21.69	20.00	4.12	4.00	5.44	7.00	---
LIGHT STREET MILLING COMPANY Orangeville, Pa.							
Very Best Chick Starter (508)	20.00	18.00	*3.50	4.00	5.07	7.00	---
Very Best Turkey Grower (507)	19.75	18.00	3.52	2.50	6.33	7.00	---

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	
LYCOMING MILLS Williamsport, Pa.							----
Pheasant Starter Mash (142)	28.25	25.00	3.12	2.50	6.71	7.00	----
LYKENS VALLEY ROLLER MILLS Millersburg, Pa.							----
Shiffner's Quality Egg Mash (181)	19.13	20.00	3.36	2.50	6.32	7.00	----
Shiffner's Quality Special Broiler Mash (180)	20.63	20.00	3.65	3.00	3.26	4.00	----
MAHONING VALLEY MILLING COMPANY Punxsutawney, Pa.							----
Mahoning Economy Laying Mash (315)	22.38	20.00	3.86	4.00	6.21	8.00	----
Mahoning Poultry-Gro Starter Broiler (319)	26.56	23.50	4.01	3.00	4.04	4.00	----
MARITIME MILLING COMPANY, INC. Buffalo, N. Y.							----
B-B Ma-Co Complata Chick Startar Ration (580)	24.81	22.00	3.08	3.00	3.56	4.00	----
B-B Ma-Co Complete Growing Ration (408)	20.88	18.00	3.18	3.00	3.01	5.00	----
B-B Ma-Co Egg Mash (579)	22.13	21.00	3.50	3.00	3.73	5.00	----
MARTINSBURG MILLING COMPANY Martinsburg, Pa.							----
Champion Egg Mash (342)	21.75	20.00	3.66	2.50	5.55	7.00	----
Champion Starter & Grower (341)	19.44	16.00	3.83	2.50	4.74	7.00	----
MAUSER MILL COMPANY Palmyra, Pa.							----
Mauser's 22% Laying Mash (564)	22.63	22.00	3.46	3.50	6.08	8.00	----
MCCOMMON'S FEED MILL New Castle, Pa.							----
McCommon's A-Grade Egg Mash (369)	20.38	20.00	4.28	4.50	8.14	9.00	----
MCMILLEN FEED MILLS Fort Wayne, Ind.							----
Master Mix Broiler Concentrate (400)	40.75	38.00	2.53	2.00	5.50	5.50	----
GEO. Q. MOON & COMPANY Binghamton, N. Y.							----
Moon Growing Mash (414)	21.06	18.00	4.43	3.50	7.51	7.00	----
MUNDIS MILLS, INC. York, Pa.							----
Mundis Gold Band Laying Mash (163)	22.44	20.00	3.05	3.00	6.31	6.75	----
H. W. NEIGER MILLING COMPANY North Girard, Pa.							----
Naiger's Best Laying Mash (647)	21.25	20.00	4.69	4.00	6.67	8.50	----
Naiger's Best Starter & Grower (646)	21.63	18.00	3.48	3.75	5.18	8.00	----
NYCE'S SUPPLY YARDS New Britain, Pa.							----
Gilt Edge Growing Mash (217)	21.56	18.00	3.21	3.00	6.96	7.50	----
Gilt Edge Laying Mash (216)	21.94	20.00	2.49	3.00	5.29	7.50	----
P. J. OESTERLING & SON, INC. Butler, Pa.							----
Sun Side Egg Mash No. 1 with Buttermilk (383)	21.19	20.00	3.65	3.00	5.39	8.00	----
Sun Side Growing Mash (384)	21.25	20.00	3.41	3.00	7.18	8.00	----
OWINGS BROS. OF YORK, INC. York, Pa.							----
June Bug All Mash Starter & Grower with Vitamin A & D Feeding Oil (145)	21.56	20.00	4.13	3.00	5.61	8.00	----
June Bug Laying Mash with Vitamin A & D Feeding Oil (144)	20.13	20.00	3.91	3.00	7.17	8.00	----

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	
THE PARK & POLLARD COMPANY, INC. Buffalo, N. Y.							---
Lay or Bust Egg Mash (618)	22.94	20.00	3.73	2.50	6.07	7.50	---
Lay or Bust Growing Feed (411)	19.44	18.00	3.69	2.50	5.91	7.50	---
Lay or Bust Growing Feed (617)	19.31	18.00	3.36	2.50	6.17	7.50	---
PETERSBURG MILLING COMPANY Bessemer, Pa.							---
Pemico Starter & Grower (375)	19.94	16.00	3.32	2.50	6.33	7.00	---
PHELPS & SIBLEY COMPANY Cuba, N. Y.							---
Big Egg Laying Mash (with oil) (595)	20.88	20.00	4.52	3.50	7.59	7.50	---
PHILLIPS FEED & GRAIN SERVICE Germansville, Pa.							---
Happy Hen Egg Mash (566)	22.13	20.00	3.52	3.50	6.73	8.00	---
Happy Hen Grower (567)	18.31	17.00	3.96	3.50	5.51	8.00	---
PRIMEX MILLS Glenside, Pa.							---
Primex Laying Mash (210)	22.56	20.00	2.67	2.50	6.37	7.00	---
PRINGLE'S FEED STORE Greenville, Pa.							---
Egg Mash (192)	23.06	20.00	4.42	3.00	7.07	8.00	---
THE QUAKER OATS COMPANY Chicago, Ill.							---
Ful-O-Pep Laying Mash (158)	22.38	20.00	3.77	3.00	7.70	8.00	---
Ful-O-Pep Laying Mash (394)	18.31	20.00	4.05	3.00	5.98	8.00	---
RALSTON PURINA COMPANY St. Louis, Mo.							---
Chowmix Growing Mash B (661)	18.13	17.00	3.96	3.00	4.86	7.00	---
Chowmix Laying Feed (All Mash) (251)	16.69	15.00	3.14	3.00	4.44	7.00	---
Chowmix Laying Mash (147)	18.69	18.00	3.44	3.50	5.36	8.00	---
Chowmix Laying Mash E (14)	17.88	18.00	3.96	3.50	2.90	8.00	---
Chowmix Laying Mash E (662)	20.06	18.00	4.19	3.50	6.60	8.00	---
Purina Broiler Chow Starter (387)	24.69	22.00	4.79	3.00	4.41	5.00	---
Purina Chick Growena (149)	18.56	17.00	3.75	3.00	5.69	7.00	---
Purina Lay Chow (416)	21.56	20.00	3.59	2.50	5.51	6.50	---
Purina Layena (Complete Ration) (388)	17.00	15.50	4.06	3.00	4.32	6.00	---
Purina Layena (Complete Ration) (390)	19.88	15.50	3.14	3.00	4.60	6.00	---
Purina Layena (Complete Ration) (397)	20.13	15.50	3.56	3.00	5.89	6.00	---
Purina Turkey Growena (254)	21.94	20.00	4.37	3.00	6.34	7.00	---
RED BANK MILLS New Bethlehem, Pa.							---
Red Bank Growing Mash (515)	17.38	16.50	4.26	3.00	5.27	8.00	---
REED MILLING COMPANY Brookville, Pa.							---
Triangle Growing Mash (514)	22.19	18.00	4.49	3.00	6.97	10.00	---
Triangle Laying Mash (515)	23.31	20.00	4.84	3.00	6.48	10.00	---
THE RICHARDS MILLING COMPANY Cortland, Ohio							---
Richards Cash Laying Mash (600)	20.69	20.00	3.50	2.50	6.09	8.00	---
Richards Growing Mash (389)	18.44	18.00	3.44	3.00	5.51	8.00	---
Richards Growing Mash (409)	19.56	18.00	3.51	3.00	6.20	8.00	---
Richards Success Laying Mash (267)	21.06	18.00	4.03	2.50	6.63	9.00	---
Richards Success Laying Mash (307)	20.69	18.00	3.54	2.50	6.16	9.00	---
RICHLAND FEED COMPANY Richlandtown, Pa.							---
Richland Hi-Energy Chick Starting Mash (143)	22.44	20.00	4.53	4.00	4.30	5.50	---
J. S. RILEY & COMPANY New Castle, Pa.							---
Pioneer Growing Mash (379)	19.25	17.50	4.09	3.00	5.66	8.00	---
Pioneer Laying Mash "Super" (378)	21.81	20.00	4.50	4.00	5.41	8.00	---

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	
D. R. RISHEL MILL Strawberry Ridge, Pa.							
Rishel's Quality Chick Starter (503)	21.69	21.00	3.44	2.50	4.94	6.00	----
ROBERTS FEED MILL Peckville, Pa.							
Rob Rosa Layar Mash (407)	21.94	20.00	5.31	3.50	7.09	7.50	----
ROUX FEED MILLS Sharon, Pa.							
Roux Egg Mash (186)	20.38	20.00	3.30	3.00	5.09	8.00	----
Roux Growing Mash (187)	23.19	19.00	3.29	3.00	3.72	8.00	----
Roux Super Rich Broiler Mash (188)	20.63	22.00	3.39	3.50	3.48	4.50	----
EARL SAUDER New Holland, Pa.							
Sauder's Turkey & Poultry Fitting Ration (429)	12.69	12.00	2.97	3.00	5.67	7.00	----
WALTER SCHOE MAKER Orefield, Pa.							
Schoamakar's Egg Mash (569)	21.13	20.00	3.94	3.00	5.30	8.00	----
SCHWARTZ FARM SUPPLY Gettysburg, Pa.							
Getty's Egg Mash (154)	20.19	20.00	2.80	2.50	6.25	7.00	----
Getty's Growing Mash (155)	19.81	16.00	3.06	2.50	5.45	7.00	----
SCRANTON FLOUR & GRAIN COMPANY Scranton, Pa.							
Penn State Laying Mash (410)	23.38	20.00	5.37	5.00	4.67	7.00	----
S. L. SHANAMAN Honay Brook, Pa.							
Shanaman's Ultra-Lifed 20% Laying Mash (432)	21.94	20.00	4.27	3.00	6.21	6.75	----
H. K. SHENK Sheridan, Pa.							
Shank's Ultra-Lifed 20% Laying Mash (178)	22.88	20.00	4.41	3.50	5.98	8.00	----
SHOHOLA FEED & GRAIN COMPANY Shohola, Pa.							
Super Egg Producer (474)	21.50	20.00	4.79	3.50	4.88	6.00	----
Super Starter Builder (473)	22.19	20.00	5.12	4.00	5.13	6.00	----
STEARNS MILL, Kingsley, Pa.							
Stearns Special Laying Mash (488)	20.63	18.00	4.01	3.50	6.41	9.00	----
STUDEBAKER & FAWCETT Enon Valley, Pa.							
Valley 19% Laying Mash (376)	21.06	19.00	3.58	3.00	7.07	10.00	----
P. O. SUNDAY Carlisle, Pa.							
Cumberland Lay Mash (360)	20.44	20.00	4.91	4.00	5.39	8.00	----
SWINGLE BROTHERS Lake Arial, Pa.							
Direct Laying Mash (478)	19.06	18.00	4.62	4.00	7.02	9.00	----
THOMPSON & MATEJA New Wilmington, Pa.							
T & M 20% Egg Mash (371)	21.19	20.00	3.32	2.50	5.45	7.00	----
T & M Growing Mash (372)	19.31	18.00	3.51	3.00	4.72	6.00	----
TIOGA MILLS, INCORPORATED Waverly, N. Y.							
Ti-O-Ca Grower (584)	19.69	18.00	3.73	3.00	6.27	7.00	----

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
JACOB TRINLEY & SONS, INC. Linfield, Pa.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	----
Limerick Laying Mash (231)	17.88	18.00	4.97	3.50	8.50	8.00	----
Trinley's Real Chick Starter (228)	20.31	20.00	4.50	3.00	5.09	7.00	----
Trinley's Real Egg & Breadar Mash (227)	22.31	20.00	5.26	3.00	7.68	7.00	----
Trinley's Turkey Grower (232)	23.50	20.00	4.29	2.50	4.42	4.50	----
UNITED MILLS Clarion, Pa.							
United Mills Egg & Breadar Mash (531)	20.13	20.00	3.50	3.50	6.36	7.00	----
C. L. WALKER & SONS Elizabethtown, Pa.							
Walker's Egg Mash (236)	21.19	20.00	4.19	4.00	6.08	8.00	----
Walker's Grower Mash (234)	*16.94	20.00	4.18	3.00	5.94	8.00	----
Walker's Starter Mash (235)	18.25	20.00	4.21	3.00	6.30	8.00	----
J. C. WALKER & SON, INC. Gap, Pa.							
Walker's Pequea Growing Mash (417)	18.25	18.00	3.66	3.00	7.11	8.00	----
WAYMART MILLING COMPANY Waymart, Pa.							
Waybest Laying & Breeding Mash (471)	18.50	20.00	5.25	4.00	4.87	7.00	----
WAYNESBURG MILLING COMPANY Waynesburg, Pa.							
Wayco Diamond Egg Mash (All Mash) (283)	17.81	17.00	3.37	3.50	6.25	8.00	----
AMOS WEIGEL Oxford, Pa.							
Weigel's Quality Laying Mash (422)	20.81	20.00	3.97	3.50	7.02	8.00	----
H. J. WEIMER, JR. Lawistown, Pa.							
Weimar's Chick Startar & Grower (357)	19.44	20.00	3.21	3.00	7.56	7.00	----
Weimer's Laying Mash (358)	19.94	20.00	3.47	3.00	7.21	7.00	----
C. P. WENGER & SONS Ephrata, Pa.							
Wenger's Growing Mash with Butter-milk, Meat Meal & A & D Oil (440)	23.06	18.00	4.89	3.00	6.98	8.00	----
Wenger's 20% Laying Mash with Butter-milk, Meat Meal & A & D Oil (439)	23.75	20.00	5.14	3.00	6.84	7.00	----
H. R. WENTZEL SONS Newport, Pa.							
Parry Broiler Ration (349)	23.88	21.00	4.50	4.00	3.79	5.75	----
WESTERMAN'S FEED STORE Carver, Pa.							
Homa Mix Egg Mash (300)	16.69	18.00	3.88	3.25	6.09	8.00	----
WESTERN FLOUR COMPANY Charleroi, Pa.							
Markitop 20% Laying Mash (279)	24.31	20.00	3.39	3.00	6.13	6.75	----
WHITERILL FEED Somerset, Pa.							
Whitahill Broiler Mash (261)	22.19	20.00	3.48	3.00	3.03	4.00	----
WOODBURY MILLING COMPANY Woodbury, Pa.							
Crown Growing Mash (328)	16.56	18.00	3.67	3.00	5.73	6.50	----
Crown 16% Laying Mash (329)	16.69	16.00	4.12	3.25	6.46	8.00	----
J. M. WYCOFF East Stroudsburg, Pa.							
Bestway Laying Mash (555)	21.50	20.00	5.42	3.50	6.62	8.00	----
Average	20.73	----	3.90	----	5.71	----	

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
<u>SCRATCH FEED</u>							
BARE MILLING COMPANY Roaring Spring, Pa.							
Starling Poultry Grains (327)	10.94	9.00	*2.53	3.00	2.75	7.00	----
EZL. DUNWOODY COMPANY Philadelphia, Pa.							
Super X Chick Grains (461)	10.50	10.00	3.51	3.00	1.87	3.00	----
Super X Intermediate Chick Grains (448)	10.44	10.00	3.19	3.00	2.01	3.00	----
Super X Scratch Faad (460)	10.88	10.00	2.72	3.00	3.18	4.50	----
EDINBORO COOPERATIVE G.L.F. SERVICE Edinboro, Pa.							
Edinboro Scratch (649)	10.00	9.00	2.50	2.00	2.01	5.00	----
HALES & HUNTER COMPANY Chicago, Ill.							
Red Comb Scratch Faad (639)	10.94	9.00	3.24	2.00	3.22	5.00	----
D. E. HORN & COMPANY York, Pa.							
Horn's Diamond Chick Grain (13)	10.56	10.00	4.60	3.00	1.73	3.00	----
Average	10.61	----	3.18	----	2.39	----	
<u>SMALL ANIMAL FEED</u>							
<u>Bird Seed</u>							
PHILADELPHIA BIRD FOOD COMPANY Philadelphia, Pa.							
PEF Pramier Mixed Bird Saed (449)	16.81	16.25	10.27	10.89	6.03	6.83	----
Average	16.81	----	10.27	----	6.03	----	
<u>Dog and Cat Food</u>							
ACME PACKERS, INC. Thomasville, Ga.							
WOW 100% Pura Horsemeat for Dogs & Cats (77)	17.57	18.00	11.67	2.00	0.20	1.00	----
ALBERS MILLING COMPANY Paoria, Ill.							
Friskies Dog Food Maal (44)	26.38	24.00	4.93	5.00	2.77	4.00	----
ALLEN PRODUCTS COMPANY Allentown, Pa.							
Al Po Baaf Ration Dog Food (119)	17.13	16.00	6.11	4.00	0.19	0.50	----
Al Po Cubad Maat Dog Food (80)	17.31	18.00	*1.66	2.50	*0.16	0.05	----
Al Po Dog Food (112)	20.19	14.50	8.27	2.00	0.08	0.50	----
Al Po Dog Food (113)	22.02	15.00	5.61	2.00	0.09	0.50	----
Al Po Dog Food (Diced in Chunks) (118)	14.74	16.00	9.90	2.50	0.19	0.50	----
Al Po Dog Food Beef Ration (117)	15.24	15.00	4.91	2.50	0.06	1.50	----
Al Po Rorsemaat Ration Dog Food (62)	16.98	14.50	6.33	2.00	0.27	1.50	----
R. S. ALTMAN Irwin, Pa.							
Altman's Super A Dog Food (17)	26.75	25.00	5.14	4.00	4.09	6.00	----
AMERICAN STORES COMPANY Philadelphia, Pa.							
Play Boy Dog Food - 100% Horsemeat (32)	15.35	17.00	16.19	3.00	*0.16	0.02	----
Play Boy Dog Food - 100% Rorsemaat (61)	*14.84	17.00	18.29	3.00	*0.22	0.02	----
ARROW CANINE PRODUCTS COMPANY, INC. Ganava, N. Y.							
Arrow 100% Horsameat Dog Food (30)	16.98	18.00	11.65	6.00	*0.15	0.05	----
CALO DOG FOOD COMPANY, INC. Oakland, Calif.							
Calo Dog Food (108)	10.72	10.00	5.08	2.00	0.50	1.00	----

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	
CANINE COMMISSARY Pittsburgh, Pa.							
Vacation Ration Beef Ration for Dogs (124)	*12.62	16.00	13.49	4.00	0.15	0.60	----
Vacation Ration Beef Ration for Dogs (125)	14.59	16.00	4.72	2.50	0.20	0.50	----
CANINE VITA FOODS Havertown, Pa.							
Canina Vita Diet (83)	15.03	10.07	5.14	2.39	1.36	7.71	----
Canine Vita Foods Pet Food Horsemaat (82)	23.21	19.00	3.47	2.00	0.18	1.00	----
CAT FOODS, INCORPORATED Gladstone, Mich.							
Whitay Cat Food (138)	11.78	11.50	3.54	3.00	0.29	0.50	----
CEDAR HILL PRODUCTS COMPANY Huntington Station, N. Y.							
Cedar Rill Dog Food All Horsemaat (89)	16.79	17.00	19.90	4.00	*0.18	0.02	----
Cedar Hill Dog Food All Horsemaat (107)	*15.93	18.00	24.31	5.00	*0.18	-----	----
Cedar Rill Dog Food All Horsemeat (128)	19.00	17.00	8.88	4.00	*0.16	0.02	----
Cedar Hill Dog Food Horsemaat (132)	18.88	17.00	9.52	5.00	*0.15	-----	----
DEEP RUN PACKING COMPANY Dublin, Pa.							
Big Bet 100% Horsemaat Dog Food (28)	17.24	17.00	9.25	3.00	*0.17	0.02	----
Big Bet 50% Meat Dog Food (29)	12.70	12.00	3.47	3.00	0.92	1.50	----
Big Bet Ration Dog Food (78)	11.64	12.00	*2.45	3.00	1.06	1.50	----
Hill Billy Dog & Cat Food (27)	11.51	10.00	4.73	3.00	0.64	1.50	----
Hill Billy Dog & Cat Food (137)	11.36	10.00	3.98	3.00	0.49	1.50	----
FLAG PET FOOD CORPORATION New York, N. Y.							
Flag Pussy Cat Food (73)	12.75	12.00	*0.84	2.00	0.95	1.00	----
THE FOSTER CANNING COMPANY, INC. Farmingdale, N. J.							
Red Chief Dog Food (86)	9.26	7.00	*0.80	1.00	1.22	1.50	----
GENERAL MILLS, INCORPORATED Minneapolis, Minn.							
Larro Dog Food (452)	26.19	24.50	*3.97	4.50	4.53	6.00	----
ROY GOFF & COMPANY, INC. Philadelphia, Pa.							
Goff's All Horsemaat for Dog Food (134)	17.05	18.00	19.26	3.00	*0.11	0.02	----
Goff 100% Pura All Horsemaat for Dog Food (33)	16.76	18.00	14.54	3.00	0.18	1.00	----
Goff 100% Pura All Horsemeat for Dog Food (69)	16.32	18.00	15.43	3.00	0.20	1.00	----
Goff 100% Pure All Horsemaat for Dog Food (106)	*15.59	18.00	13.66	3.00	0.26	1.00	----
Goff's Quality 100% All Beef for Dog Food (38)	*13.32	18.00	28.74	3.00	0.07	1.00	----
Goff's Quality 100% All Beef for Dog Food (39)	*12.68	18.00	32.49	3.00	0.10	1.00	----
Goff's Quality 100% All Beef for Dog Food (40)	*12.24	18.00	29.12	3.00	0.10	1.00	----
Goff's Quality 100% All Beef for Dog Food (70)	*14.83	18.00	15.05	3.00	0.21	1.00	----
JACK'S PET FOODS Drexel Hill, Pa.							
Horse Liver (84)	19.52	18.00	*1.95	3.00	0.17	2.00	----
KENNEL FOOD SUPPLY COMPANY Fairfield, Conn.							
K.F.S. Special Brand Dog Food (41)	*11.63	14.00	5.72	5.00	0.17	2.50	----
KUNKLE'S CANINE FOODS Newtown Square, Pa.							
Kunkla's Beef (88)	19.55	19.24	16.14	6.14	*0.18	0.16	----
LIBNER GRAIN COMPANY Norwalk, Conn.							
Libnar's Beef Ration Dog Food (120)	14.97	16.00	6.45	2.50	0.15	0.50	----
Libnar's Cubed Horsemeat Dog Food (122)	15.50	16.00	5.30	2.50	*1.09	0.50	----
Libnar's 100% Horsemaat Dog Food (121)	*15.98	18.00	7.72	2.50	*0.93	0.50	----

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	
MARNAT PACKING COMPANY Bennettsville, N. C.								
Big Time 100% Horsemeat, Chopped	(90)	16.23	18.00	3.91	3.00	0.29	1.00	----
MARTEL BROTHERS Chester, Pa.								
Mertel's Dog & Cat Food	(109)	10.48	10.00	2.26	2.00	0.99	1.00	----
MIDWEST MEAT PACKERS DIV. OF INLAND PRODUCTS, INC. Columbus, Ohio								
Midwest Dog Food - Cat Food 100% Horsemeat	(50)	14.61	15.00	24.97	4.00	0.14	0.50	----
NATIONAL PACKING CORPORATION Boston, Mass.								
Kitty Snicker Cat Food	(111)	18.33	15.00	0.99	0.30	0.22	1.00	----
NATIONAL PET FOODS, INC. Rockland, Me.								
Kalico Kat Brand Cat Food	(45)	12.27	12.00	*1.23	4.00	0.43	1.00	----
ORLEANS CANNING COMPANY Chicago, Ill.								
Orleans All Horsemeat Dog Food	(91)	16.54	17.00	5.96	3.00	0.06	1.50	----
PRIDE, INCORPORATED Philadelphia, Pa.								
Pride Chopped Beef Dog & Cat Food	(74)	14.80	15.00	25.09	3.00	0.13	1.00	----
SMITHSTONE KENNEL SUPPLY CO. Dublin, Pa.								
Inky 100% All Beef Chopped Dog & Cat Food	(25)	16.33	18.00	17.08	5.00	*0.24	0.02	----
Inky 100% All Beef Chopped Dog & Cat Food	(48)	*15.24	18.00	14.80	5.00	*0.12	0.02	----
Inky 100% All Beef Chopped Dog & Cat Food	(139)	*15.10	18.00	18.92	5.00	*0.11	0.02	----
Inky Chicken Chopped Dog & Cat Food	(20)	15.88	16.00	5.19	4.00	0.27	1.50	----
Inky Chopped Dog & Cat Food 100% All Beef	(129)	*14.50	18.00	24.87	5.00	*0.08	0.02	----
Inky Dog & Cat Food Chopped 100% Beef	(130)	*13.70	18.00	24.90	5.00	*0.05	0.02	----
Inky 100% Horsemeat Chopped Dog & Cat Food	(22)	15.73	17.00	18.39	3.00	*0.15	0.02	----
Inky 100% Horsemeat Chopped Dog & Cat Food	(141)	17.41	17.00	24.54	3.00	*0.09	0.02	----
Inky 100% Horsemeat Cubed Dog & Cat Food	(47)	20.80	15.00	3.59	3.00	*0.11	0.02	----
Inky 100% Horsemeat Cubed Dog & Cat Food	(140)	22.87	15.00	4.59	3.00	*0.12	0.02	----
Inky 100% Horsemeat Dog & Cat Food	(79)	21.33	15.00	10.54	3.00	*0.16	0.02	----
Inky 100% Lamb Dog & Cat Food	(21)	*14.46	18.00	26.23	3.00	*0.16	0.01	----
Inky 100% Lamb Dog & Cat Food	(26)	*15.36	18.00	11.83	3.00	*0.16	0.01	----
Inky 100% Lamb Dog & Cat Food	(49)	*14.09	18.00	15.19	3.00	*0.12	0.01	----
Smithstone Fish	(67)	14.93	15.00	0.48	0.03	0.27	1.00	----
Smithstone Fresh Frozen Horsemeat	(23)	20.61	18.00	4.59	3.00	*0.11	0.02	----
Smithstone Quick Frozen Horsemeat	(24)	18.88	18.00	3.89	3.00	*0.12	0.02	----
Smithstone Quick Frozen Horsemeat for Dogs - Liver	(31)	21.69	18.00	3.65	3.00	*0.15	0.02	----
C. A. SWANSON & SONS Omaha, Neb.								
Carno Canned Prepared Meat Food Strut Dog Food	(43) (85)	17.05 11.69	16.00 10.00	15.24 6.39	8.00 3.00	0.20 0.67	0.50 1.00	----
R. O. SYLVIA COMPANY New Bedford, Mass.								
Mew-Chow All Fish Cat Food	(103)	16.46	14.50	4.89	2.00	0.08	0.25	----
UNIVERSAL CANNING COMPANY, INC. Philadelphia, Pa.								
Half Meat 50-50 Half Cereal Dog Food	(97)	*9.48	12.00	2.54	2.00	0.87	1.00	----
Jest Dog Food	(133)	10.22	8.00	2.02	2.00	0.09	1.00	----
Jest Dog Food	(135)	9.97	8.00	*0.84	2.00	0.96	1.00	----
Tastee Dog Food	(126)	8.08	8.00	*0.83	1.50	0.95	2.00	----
Tippie Dog Food Horsemeat 100% All Meat	(127)	19.07	18.00	11.18	2.50	0.19	1.00	----

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
UNIVERSAL CANNING COMPANY, INC. Philadelphia, Pa.							
Tippie Dog Food Horsemeat 100% All Meat (131)	18.76	18.00	11.88	2.50	0.10	1.00	----
Tippie Dog Food 100% Horsemeat (36)	17.57	18.00	11.06	2.50	0.25	1.00	----
USEN CANNING COMPANY Boston, Mass.							
Tabby All Fish Cat Food (92)	*12.78	17.00	0.49	0.30	0.08	0.30	----
VALLEY FEED & SUPPLY COMPANY, INC. Spring Valley, N. Y.							
High-Tor Dog Food (123)	19.18	16.00	9.17	2.00	0.16	0.50	----
VIMPEP FOODS DIVISION PHILLIPS PACKING CO., INC. Cambridge, Md.							
On Guard Dog Food (35)	9.76	10.00	2.72	2.00	0.99	1.00	----
VITAMONT SALES COMPANY Butte, Montana							
Vitamont Blue Ribbon Dog Food (81)	11.92	11.00	4.27	3.00	0.18	1.00	----
ARTHUR J. VAN BUSKIRK Bath, Pa.							
Horsemeat for Cats (1) Horsemeat for Dogs (2)	19.93 18.10	17.35 17.35	4.76 8.15	5.00	0.17 0.16	0.13 0.13	----
WARNER DOG FOOD COMPANY, INC. Brooklyn, N. Y.							
Kennel Maid Dog Food (136)	9.07	9.00	2.14	1.50	0.86	1.00	----
Warner's All Horsemeat Dog Food (93)	16.38	17.00	13.04	4.00	*0.24	0.05	----
Warner's Dog Food - For Cats Too (94)	11.88	12.00	*2.15	3.00	0.84	1.50	----
Warner's Sardines for Dogs & Cats (66)	18.71	15.00	18.66	3.00	0.13	1.00	----
WHIRLY PRODUCTS, INC. Newark, N. J.							
Whirly 100% Horsemeat, Chopped (87)	17.65	18.00	5.43	5.00	*0.22	0.02	----
Average	15.87	----	9.72	----	0.42	----	
Pigeon Feed							
EZL. DUMWOODY COMPANY Philadelphia, Pa.							
Ace Pigeon Feed (447)	13.63	10.00	*2.58	3.00	2.89	4.00	----
THE PHILADELPHIA SEED COMPANY, INC. Philadelphia, Pa.							
No. 1 Purgrain Pigeon Feed (457)	12.31	11.20	2.34	2.00	3.55	4.00	----
No. 2 Purgrain Pigeon Feed (456)	12.13	12.30	2.68	2.00	2.73	4.00	----
Purgrain Conditioning Feed (455)	14.19	14.00	3.14	3.00	3.44	5.00	----
Purgrain Economy Special Pigeon Feed (444)	10.75	10.00	3.56	2.00	2.42	4.00	----
Purgrain Special Racing Feed (455)	18.13	18.00	1.92	1.50	3.53	4.50	----
BEN ROSENBERG, INC. Philadelphia, Pa.							
Pride of Philadelphia Breeding Pigeon Feed (441)	14.88	11.75	3.03	2.00	3.22	4.25	----
Pride of Philadelphia No. 2 Pigeon Feed (453)	12.56	10.50	2.45	2.00	2.56	4.80	----
Pride of Philadelphia No. 3 Pigeon Feed (443)	12.63	13.15	3.36	2.65	2.44	4.70	----
Pride of Philadelphia No. 5 Pigeon Feed (442)	15.19	14.40	2.61	1.75	3.07	4.60	----
Pride of Philadelphia Y.B.R. & Conditioning Pigeon Feed (454)	17.25	12.65	2.79	1.40	3.89	5.15	----
Average	13.91	----	2.77	----	3.09	----	
Rabbit Feed							
GENERAL MILLS, INCORPORATED Minneapolis, Minn.							
Larro Green Pellets for Rabbits (451)	17.94	15.00	3.72	2.00	15.60	19.00	----

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN*		FAT		FIBER		COMPOSITION	
	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.		
ZEIGLER BROS. FEED MILLS, INC. Gardners, Pa.								
Conewago Rabbit Pellets	(6)	19.94 20.31	19.50 19.50	3.91 3.73	3.50 3.50	13.71 13.61	14.00 14.00	----
Conewago Rabbit Pellets	(7)							----
Average		19.40	----	3.79	----	14.31	----	
<u>SWINE CONCENTRATES</u>								
COOPERATIVE MILLS, INC. Harrisburg, Pa.								
40% Pork Maker	(152)	44.00	40.00	3.38	2.50	6.98	9.00	----
40% Pork Maker	(256)	44.63	40.00	2.26	2.50	7.59	8.50	----
40% Pork Maker	(435)	44.88	40.00	4.61	2.50	6.37	9.00	----
DAILEY MILLS, INC. Olean, N. Y.								
40% Hog Supplement	(290)	40.88	40.00	4.93	4.00	4.50	6.00	----
DAYTON FARMERS' EXCHANGE Dayton, Pa.								
Shirey's Best 40% Hog Supplement	(312)	40.31	40.00	4.56	2.00	6.86	7.00	----
EASTERN STATES FARMERS' EXCHANGE INCORPORATED West Springfield, Mass.								
Eastern States Hog Supplement	(344)	36.69	36.00	3.61	3.00	8.02	10.00	----
THE GLIDDEN COMPANY FEED MILL DIVISION Indianapolis, Ind.								
Glidden Pig & Sow Supplement	(278)	38.00	35.00	1.77	1.30	8.97	9.50	----
RALSTON PURINA COMPANY St. Louis, Mo.								
Purina Hog Chow Supplament	(253)	38.81	36.00	4.84	2.00	7.78	10.00	----
Purina Hog Chow Supplament	(521)	35.63	36.00	3.27	2.00	6.20	10.00	----
Average		40.42	----	3.69	----	7.03	----	
<u>SWINE FEED</u>								
BARE MILLING COMPANY Roaring Spring, Pa.								
Sterling Pig & Hog Maal	(325)	16.38	16.00	3.06	3.00	8.19	9.00	----
R. A. BATES & SON Knoxville, Pa.								
Oak Leaf Pig & Hog Growar	(591)	18.50	16.00	3.46	3.00	5.16	8.00	----
BEST FEED & FARM SUPPLIES, INC. Washington, Pa.								
Besco Hog Feed	(274)	17.56	15.00	3.67	3.00	8.44	8.00	----
PAUL E. BLASS Paxinos, Pa.								
Shamrock Hog Feed	(509)	16.13	14.00	3.75	3.00	6.67	8.00	----
W. H. BOHNER Pillow, Pa.								
Bohner's Pig Meal	(183)	20.88	16.00	4.04	4.00	6.05	8.00	----
GURNEY D. BRANDT Labanon, Pa.								
Brandt's Markitop All-In-One Hog Ration	(170)	15.13	15.00	3.08	2.00	6.60	8.00	----
HAROLD C. BRANDT & COMPANY Annville, Pa.								
Blue Ribbon Pig & Hog Meal	(239)	16.69	16.00	3.37	3.00	5.13	7.00	----

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
COLLEGEVILLE MILLS Collegeville, Pa.							
Perkiomen Hog Feed (224)	16.31	12.00	3.74	3.00	5.51	8.00	----
COOPERATIVE G.L.F. EXCHANGE, INC. Ithaca, N. Y.			-				
G.L.F. Hog Feed (575)	20.25	17.00	4.06	3.50	5.83	8.00	----
CUMBERLAND VALLEY COOPERATIVE ASSOCIATION Shippensburg, Pa.							
Acorn Hog Feed (364)	13.44	12.00	3.48	3.00	3.64	12.00	----
DAYTON FARMERS' EXCHANGE Dayton, Pa.							
Shirey's Best 16% Hog Feed (311)	17.69	16.00	3.44	3.00	8.68	9.00	----
FRYBURG ROLLER MILLS Fryburg, Pa.							
Blue Ribbon Pork Maker (322)	15.75	15.50	4.02	3.00	*8.51	7.00	----
FURRY'S MILL Loysburg, Pa.							
Furry's Hog Feed (338)	17.25	14.00	5.17	3.50	4.30	9.00	----
Furry's Pig Meal (336)	19.19	18.00	3.97	4.00	5.78	8.00	----
GENERAL MILLS, INCORPORATED Minneapolis, Minn.							
Larro Sow & Pig Builder (309)	17.81	17.00	3.76	3.00	4.72	6.00	----
GREENE COUNTRY FARMERS EXCHANGE Waynesburg, Pa.							
Champion Pig & Hog Meal (268)	17.38	15.00	4.01	3.50	4.86	9.00	----
HALES & HUNTER COMPANY Chicago, Ill.							
Pioneer Hog Ration 15% (285)	16.94	15.00	3.89	2.50	5.71	8.00	----
F. D. HARTZELL'S SONS COMPANY Chalfont, Pa.							
Perfection Hog Feed (214)	17.00	16.50	3.53	3.00	7.91	8.00	----
JOHN HERR Grantville, Pa.							
Herr's Pig Feed (174)	16.88	16.00	3.64	2.50	5.54	7.00	----
THE HERRMAN-MCLEAN COMPANY Cleveland, Ohio							
Sunshine Pork Maker (529)	19.44	15.00	3.95	3.00	7.74	8.00	----
Sunshine Pork Maker (633)	18.63	15.00	3.87	3.00	6.75	8.00	----
J. F. HOGSETT & SONS Uniontown, Pa.							
Hogsett's Prepared Hog Feed (241)	19.38	18.00	3.54	3.00	8.19	9.00	----
D. E. HORN & COMPANY York, Pa.							
Horn's Blue Streak Pig & Hog Meal (165)	18.88	16.00	4.57	3.00	6.84	12.00	----
J. W. JOHNSON & SON Albion, Pa.							
Johnson's Pig Feed (643)	14.31	13.00	3.89	3.50	8.24	9.00	----
KEEBLEFF'S FEED & FARM SUPPLIES Montoursville, Pa.							
Keebler's Pig & Hog Meal (295)	16.50	14.50	3.84	3.00	4.00	4.50	----
J. B. KELLEY Washingtonville, Pa.							
Kelley's Hog Feed (501)	15.88	14.00	4.00	3.50	8.14	10.00	----

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MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	
KEYSTONE FLOUR & FEED COMPANY Punxsutawney, Pa.							
Imperial Pig & Hog Feed (519)	17.75	16.00	4.47	4.00	6.36	11.00	----
KIEFER BROTHERS Hegins, Pa.							
Kiefer's Premium Sow & Pig Feed (494)	17.50	18.00	2.89	3.00	4.89	6.00	----
KINTNER MILLING COMPANY Mehoopany, Pa.							
K M C O Pig Ration (466)	22.38	14.00	4.66	3.00	*6.59	5.00	----
MAHONING VALLEY MILLING COMPANY Punxsutawney, Pa.							
Mahoning Pig & Hog Feed (318)	18.38	18.00	3.38	3.50	5.35	8.50	----
MARTINSBURG MILLING COMPANY Martinsburg, Pa.							
Champion Bog Meal (340)	15.13	15.00	2.87	3.00	7.05	8.00	----
MIDDLEBROOK ROLLER MILLS Woodbury, Pa.							
Replogle's Pig & Hog Meal (334)	16.38	14.00	4.01	3.50	5.77	6.00	----
MUNDIS MILLS, INC. York, Pa.							
Mundis Pig Maal (164)	17.25	17.50	3.56	3.25	5.81	7.00	----
BOB MURRAY'S MILL Beaver Springs, Pa.							
Bob's Best Hog Feed (353)	17.13	15.00	3.37	3.00	5.02	7.00	----
H. W. NEIGER MILLING COMPANY North Girard, Pa.							
Neiger's Pig & Sow Meal (644)	16.00	16.00	3.59	3.00	5.69	8.50	----
NYCE'S SUPPLY YARDS New Britain, Pa.							
Gilt Edga Pig & Bog Meal (218)	19.75	16.00	*3.00	3.50	5.56	9.00	----
OWINGS BROS. OF YORK, INC. York, Pa.							
Juna Bug Bog Feed (146)	20.44	18.00	5.90	3.00	7.89	10.00	----
RALSTON PURINA COMPANY St. Louis, Mo.							
Chowmix Sow & Pig Feed (660)	14.94	14.00	4.21	3.50	5.98	7.00	----
REED MILLING COMPANY Brookville, Pa.							
Triangle Pig & Hog Meal (517)	22.44	16.00	4.35	3.00	6.94	10.00	----
D. R. RISHEL MILL Strawberry Ridge, Pa.							
Rishel's Quality Pig Startar & Growar (504)	16.81	18.00	3.45	3.00	4.91	6.00	----
WALTER SCHOE MAKER Orefield, Pa.							
Schoemaker's Pig & Bog Feed (570)	14.56	14.00	2.72	3.00	5.43	8.00	----
B. K. SHENK Sheridan, Pa.							
Shenk's Markitop Pig & Hog Feed (179)	18.69	15.00	3.45	3.00	6.97	8.00	----
CLARENCE M. SRUEY Annville, Pa.							
Shuey's Hog Feed (177)	15.00	14.00	4.60	3.00	4.71	7.00	----
P. O. SUNDAY Carlisle, Pa.							
Cumberland Pig Meal (361)	16.25	15.00	*2.66	3.00	7.13	9.00	----

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	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	Found P. ct.	Guar. P. ct.	
THOMPSON & MATEJA New Wilmington, Pa.							
T & W Pig & Hog Feed (370)	16.06	16.00	3.56	3.00	5.38	7.00	----
TRADER'S FLOUR & FEED COMPANY East Stroudsburg, Pa.							
Trader's Rog Meal Pig Starter Feed (557) (558)	17.88 19.44	16.00 18.00	3.82 4.11	3.50 3.50	4.99 5.79	7.00 8.00	----
JACOB TRINLEY & SONS, INC. Linfield, Pa.							
Trinley's Reel Rog Faed (229)	17.38	18.00	4.04	4.00	9.81	10.00	----
J. C. WALKER & SON, INC. Gap, Pa.							
Walkar's Paquae Pig & Hog Faed (418)	17.63	15.00	3.41	2.50	7.32	8.00	----
WAYNESBURG MILLING COMPANY Waynesburg, Pa.							
Wayco Pig & Rog Feed (282)	18.00	16.00	*2.97	3.50	5.77	7.00	----
WHITEHILL FEED Somerset, Pa.							
Whitahill Pig & Sow Maal (259)	18.31	18.00	3.18	2.50	5.78	7.00	----
WOODBURY MILLING COMPANY Woodbury, Pa.							
"Eat Mor" Pig & Rog Ration (330)	15.06	14.00	3.30	3.00	7.08	10.00	----
J. M. WYCOFF East Stroudsburg, Pa.							
Bestway Hog Ration (556)	17.19	15.00	4.91	3.50	7.43	9.00	----
Avaraga	17.43	----	3.76	----	6.35	----	
<u>MISCELLANEOUS FEED</u>							
ARCADY FARMS MILLING COMPANY Chicago, Ill.							
Arcady Swaat Mixing Feed (614)	11.50	9.00	1.26	1.00	9.08	12.00	----
EASTERN STATES FARMERS' EXCHANGE INCORPORATED West Springfield, Mass.							
Eastern States Pacemaker Eastern States Producar (345) (347)	21.25 24.38	20.00 22.00	3.44 3.74	3.00 2.50	3.01 4.22	4.00 5.00	----
JOHN W. ESHELMAN & SONS Lancaster, Pa.							
Eshelman Red Rose 32 Mixing Ration (198)	33.88	32.00	3.84	3.50	7.32	9.00	----
THE HERRMAN-MCLEAN COMPANY Cleveland, Ohio							
Portega 32% Farm Mix (528)	30.88	32.00	*2.91	4.00	5.71	9.00	----
RALSTON PURINA COMPANY St. Louis, Mo.							
Purina Bulky Chow (543) Purine D & F Chow (620)	11.75 13.69	10.00 12.50	2.43 3.50	2.00 3.00	10.93 8.89	15.00 12.00	----
SEGAL'S FEED & SUPPLY COMPANY Philadelphia, Pa.							
Suprame Fattener Supreme Station Pellets (446) (458)	16.13 14.94	14.00 16.00	3.27 3.34	3.00 3.00	6.64 6.79	8.00 7.00	----
SWEETAIL MANUFACTURING COMPANY Williamstown, N. Y.							
Swaat-Molass Dry Form (593)	12.38	9.00	3.01	2.00	10.36	12.50	----
Averaga	19.08	----	3.07	----	7.30	----	

* Deficient